



www.digi.com

Product Catalog 2005



Digi Connect ME®



Digi CM™



PortServer® TS MEI



Edgeport®



Digi Connect® Wi-SP



AccelePort® Xem



Digi Connect® WAN

Making
DEVICE NETWORKING
easy™



Digi International *makes device networking easy*

by developing products and technologies that are cost-effective and easy to use. With over 20 years of experience and over 20 million ports shipped worldwide, Digi is a recognized brand with a reputation for reliable, innovative, quality products and strong technical support.

www.digi.com

+History ::

Digi International was founded in 1985 as DigiBoard. The company went public as Digi International in 1989 and is traded on the NASDAQ National Market under the symbol DGII. Digi employs more than 350 people worldwide. We are headquartered in Minnetonka, Minnesota, a suburb of Minneapolis, with offices worldwide in the U.S., Europe and Asia.

The Makers of the Original



+Innovative Solutions ::

Digi International makes device networking easy by developing innovative products and technologies that enable you to connect and manage serial, USB and other electronic devices – locally or remotely, over the network or via the web. Our enterprise solutions, marketed under the Digi®, Inside Out Networks™ and NetSilicon® brands, include wired and wireless embedded modules, serial-to-Ethernet device and terminal servers, secure console servers, multiport serial cards, USB expansion, wireless, cellular, microprocessors and multi-modem adapters.

Digi strives to deliver leading edge technology to meet the demands of today's mission-critical networking environments. We are the only company today able to offer a seamless migration path to a fully integrated system-on-chip solution. Other recently introduced technologies include:

- High-speed cellular gateway
- Wired and wireless interchangeable embedded modules
- Patented RealPort® COM redirector technology
- Patent-pending RealPort® USB technology
- Intelligent console server technology

Our custom integration options, as well as mass configuration, remote monitoring and diagnostics utilities, ensure that even the largest deployments run smoothly. The bottom line is this: we can solve your networking challenges so that you can focus on running your business more efficiently and cost-effectively.

We make networking your devices easy.



Quality and Availability Make a Difference

+ *Worldwide Availability and Compatibility ::*

Our products are available through a global network of distributors, systems integrators, Value Added Resellers (VARs) and Original Equipment Manufacturers (OEMs). You can purchase Digi solutions from 180 partners in more than 65 countries worldwide – you won't find another hardware provider with greater global reach. Our products hold many international certifications, so you can be assured of their reliability, safety and worldwide compatibility.

Digi has been certified to conform to the ISO 9001 quality management system for over 10 years. We are also friendly to the environment and continually make improvements to ensure we meet the expectations of our customers, employees and the communities in which our products are manufactured and used.

Digi offers GSA pricing (contract number GSA GS-35F-0351J) for U.S. federal government partners and end users. The Digi GSA Online Store makes it easier than ever to procure products for your government projects.

All of this translates to added convenience for you, no matter where your offices are located.



Certified to
ISO 9001:2000



TUV Rheinland
of North America



+First-Rate Technical Support ::

When you own a Digi solution, world-class technical support is just a phone call or click away.

We know how frustrating it can be to call a company's technical support line and not be able to reach a live person. You can always reach a knowledgeable Digi Support Engineer by phone or email Monday through Friday, 7:00 a.m. to 5:30 p.m. (CST) in the U.S., 8:00 a.m. to 5:00 p.m. (CET) in Europe, and 9:00 a.m. to 5:30 p.m. (GSM+8) in Asia. We also offer priority support and enhanced warranty packages for your mission-critical applications that require 24-hour technical support, seven days a week.

We stand by our products with a five-year warranty on all hardware, ensuring that your solution is always functioning to keep your application running smoothly. We also offer annual support agreements tailored to meet the needs of our mission-critical customers and others looking for enhanced support offerings. Customers may choose from three plans:

- Advance Replacement
- 12x5 Priority Support with Advanced Replacement
- 24x7x365 Emergency Assistance with Advanced Replacement

We recognize that our customers often prefer to take a self service approach to technical support, so we have made it easier than ever to find the product information you need on our website. From the searchable Knowledge Base, to the peer-to-peer Support Forum, a wealth of information is at your fingertips.

With our live technical support, five-year warranty, support agreements and comprehensive online tools, it's easy to see why our customers consistently rank us as providing superior support as compared to other companies in our industry.

* For customers outside North America, please check with your reseller for available support options.





+Our Customers ::

Our willingness to customize hardware, firmware, software and packaging based on specific customer requirements is a key factor in why many Fortune 500 companies choose Digi. From device manufacturers to government agencies to turnkey solution providers, customers around the world rely on Digi for our easy-to-use, high performance connectivity solutions. They also know that Digi is a trusted, recognized brand with over 20 years of experience.

Digi provides critical network connectivity to devices that you encounter in your everyday life. Whether you realize it or not, your daily routine is made easier by Digi technologies. When you use the self checkout system in your local grocery store. When you check into a hotel. When you drink a bottled beverage. When you drive through a traffic light. When you check your baggage at the airport. When you search the web. When you place your order at a fast food restaurant. When you swipe your ID badge to enter an office building. These are just some of the ways Digi makes device networking – and your life – easier.



+*Industry-Specific Focus* ::

By approaching our customers from an industry-specific perspective, we are able to find better solutions to common industry problems. This enables you to improve your business' efficiency, saving valuable time and money that would otherwise be spent on solving critical networking challenges.

Our website has an area dedicated to specific industry segments including *Remote Device Management, Medical/Healthcare, Retail/POS, Building Automation/Security, Traffic Management, Utilities, Industrial Automation and Government*. We offer specific market application guides and newsletters with relevant news and events, application profiles and product spotlights. Of course, as we discover more industries that benefit from our products and technologies we will provide additional applications and information.

See how Digi solutions are used to solve real-world connectivity problems in our Industry-Specific Applications section (page 119).

Just another way Digi is **Making Device Networking Easy™**.

+Table of Contents

Company Introduction	pg. 2-7
-----------------------------------	---------

External Device and Terminal Servers –

Serial-to-Ethernet	pg. 12-35
---------------------------------	-----------

Standard

• Digi One® SP	pg. 18
• Digi One RealPort®	pg. 19
• PortServer® TS 2/4	pg. 19
• PortServer® TS 1/2/4 MEI	pg. 20
• PortServer® 8/16 Family	pg. 21
• EtherLite®	pg. 22

Hardened

• PortServer® TS H MEI	pg. 23
------------------------------	--------

Wireless

• PortServer® TS W MEI	pg. 24
------------------------------	--------

Modem

• PortServer® TS M MEI	pg. 25
------------------------------	--------

Power

• PortServer® TS P MEI	pg. 26
------------------------------	--------

Customizable

• Digi Connect® SP	pg. 27
• Digi Connect® Wi-SP	pg. 28

Industrial

• Digi One® IAP	pg. 29
• Digi One® IA	pg. 30
• Digi One® SP IA	pg. 31
• Digi One® IA Modem	pg. 32

Management Tools & Special Features

• RealPort®	pg. 33
• RealPort® with Encryption	pg. 33
• Digi Port Authority – Remote	pg. 34
• Pass-Through Port	pg. 34
• Modem Emulation	pg. 35
• FIPS Certification	pg. 35

Embedded Solutions –

Modules, Development Tools and Microprocessors pg. 36-49

Embedded Modules

- Digi Connect ME® Family pg. 40
- Digi Connect® EM Family pg. 42
- ConnectCore™ 9C..... pg. 44

Development Tools

- Digi Connect® Integration Kit pg. 45
- Digi Connect® Development Kit pg. 46
- NET+Works® 6.x pg. 47

Microprocessors

- NS7520 pg. 48
- NET+50 pg. 48
- NS9360 pg. 48
- NS9750 pg. 48
- NS9775 pg. 49

Console Management –

Intelligent Console Servers and Power Management pg. 50-57

Secure Console Server

- Digi CM™..... pg. 54

Power Management

- Digi Remote Power Manager (Digi RPM)..... pg. 56

Management Tools and Special Features

- Automatic Device Recognition..... pg. 57

USB Connectivity –

Converters, Hubs, Cameras, Sensors and More pg. 58-79

RealPort® USB (USB Over IP®)

- AnywhereUSB® pg. 65

USB-to-Serial

- Edgeport® pg. 66

USB PlusPower

- USB Plus Series..... pg. 70

USB Environmental Monitoring

- Watchport®/V2 USB Camera pg. 72
- Watchport® Sensors pg. 73

(USB Continued from last page)

USB Modem Bank

- Rapidport/4® pg. 74

Industrial USB Hubs

- Hubport® pg. 75

802.11b Wireless LAN

- Wavespeed®/LAN pg. 76

Windows NT Software

- EdgeUSB..... pg. 77

Management Tools and Special Features

- RealPort USB (USB Over IP) pg. 78
- Watchport® Manager pg. 78
- Watchport® Motion Detection Software..... pg. 79

Wireless –

Cellular, Bluetooth and Wi-Fi..... pg. 80-89

Cellular

- Digi Connect® WAN pg. 85
- Digi Connect® Remote Gateway pg. 86

External Bluetooth

- Wavespeed®/S..... pg. 87

Embedded 802.11b

- Digi Connect® Wi-ME pg. 88
- Digi Connect® Wi-EM pg. 88

External 802.11b

- PortServer TS W MEI pg. 88
- Digi Connect Wi-SP pg. 88
- Wavespeed/LAN..... pg. 88

Management Tools and Special Features

- Digi Connectware® Manager pg. 89

Multiport Serial Cards –

PCI/PCI-X/ISA Solutions pg. 90-105

High Performance

- AccelePort® Xp pg. 94
- AccelePort® Xr 920 pg. 96

Expandable

- AccelePort® C/X pg. 98
- AccelePort® Xem pg. 100

(Multiport Serial Cards Continued from last page)

Enhanced

- Digi Neo® pg. 102

Standard

- ClassicBoard™ pg. 104

Multi-Modem Communication Adapters –

- High-Speed Analog Solutions..... pg. 106-109

Multi-Modem Communication Adapters

- AccelePort RAS® pg. 107

Management Tools/Special Features

- PortAssist® Manager pg. 109

- Accessories** pg. 110-117

- Industry-Specific Applications** pg. 118-127

- Pinouts** pg. 128-132

- Glossary** pg. 133-135

+ What do you need to do?

- Ethernet-enable virtually any serial device **External Device and Terminal Servers**
- Build future-proof products with a seamless migration path to fully integrated system-on-chip solutions **Embedded Solutions**
- Monitor, control and securely access IT equipment such as servers, routers and switches using industry standard serial ports **Console Management**
- Utilize the USB port of a PC or server to easily gain additional serial, parallel or USB ports for easy I/O expansion..... **USB**
- Connect serial devices via Bluetooth, cellular or Wi-Fi technology **Wireless**
- Install an asynchronous PCI/PCI-X or ISA card solution with the highest level of performance and upgradeability on the market..... **Multiport Serial Cards**
- Utilize scalable, high-density solutions for digital/analog remote access, fax and routing **Multi-Modem Communication Adapters**

External Device Servers and Terminal Servers

Serial-to-Ethernet

Our device servers and terminal servers are intelligent and easy-to-use network devices that convert serial data into network data. They consist of all the vital components required to provide full network connectivity to virtually any kind of serial device: a reliable TCP/IP protocol stack, remote management capabilities, and both serial and network interfaces. Our patented RealPort® technology delivers a fully transparent COM or TTY connection without any need for modifications to the existing software or hardware components in your application.

Digi device/terminal server technology combines the inherent benefits of data networking with proven asynchronous connectivity, transforming a previously isolated device with a serial port into a fully network-enabled component. The benefits are clear: immediate access to information, improved flexibility and a significant reduction of operational cost.

With Digi device/terminal servers, you are now able to directly manage, control and access devices through the network, whether it is your organization's intranet or the ubiquitous Internet. Wherever you are, you are connected – anytime. All without the time-consuming hassle and additional cost of separate wiring or the setup of campus modems, simply by taking advantage of your existing network infrastructure.

We offer standard serial-to-Ethernet solutions, as well as specialized models for specific application requirements.

What do you need to do?

- + Add simple, cost-effective network connectivity to a serial device **Standard**
- + Ethernet enable a serial device in extended temperature environments **Hardened/emp**
- + Integrate an RS-232/422/485 serial device to an 802.11b wireless network **Wireless**
- + Add both IP networking and phone line dial-up connectivity for remote access to serial and Ethernet devices..... **Modem**
- + Gain universal serial to IP network connectivity with versatile powering options including powered Ethernet and powered serial..... **Power**
- + Utilize an off-the-shelf development platform for easy embedded networking **Customizable**
- + Migrate industrial devices from basic serial-to-Ethernet functionality to advanced industrial protocol conversion..... **Industrial**

Visit our website to download our Solution Guide
www.digi.com/literature

www.digi.com/external

+ External Device and Terminal Servers – Serial-to-Ethernet

Standard

- Digi One® SP..... pg. 18
- Digi One RealPort® pg. 19
- PortServer® TS 2/4 pg. 19
- PortServer® TS 1/2/4 MEI..... pg. 20
- PortServer® TS 8/16 Family..... pg. 21
- EtherLite® pg. 22

Hardened/Extended Temperature

- PortServer® TS H MEI pg. 23

Wireless

- PortServer® TS W MEI pg. 24

Modem

- PortServer® TS M MEI..... pg. 25

Power

- PortServer® TS P MEI..... pg. 26

Customizable

- Digi Connect® SP pg. 27
- Digi Connect® Wi-SP..... pg. 28

Industrial

- Digi One® IAP pg. 29
- Digi One® IA pg. 30
- Digi One® SP IA pg. 31
- Digi One® IA Modem..... pg. 32

Management Tools & Special Features

- RealPort®..... pg. 33
- RealPort® with Encryption pg. 33
- Digi Port Authority – Remote..... pg. 34
- Pass-Through Port pg. 34
- Modem Emulation..... pg. 35
- FIPS Certification..... pg. 35

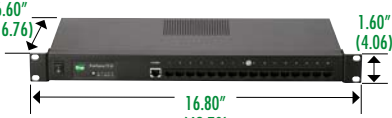
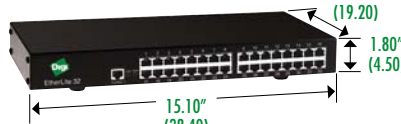
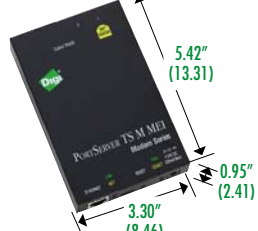
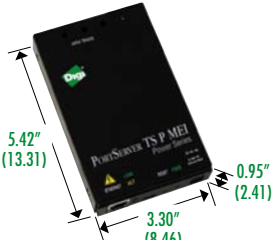
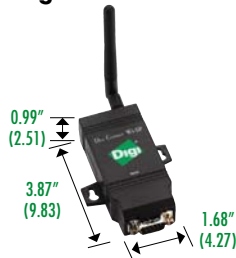
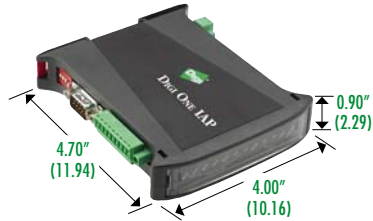
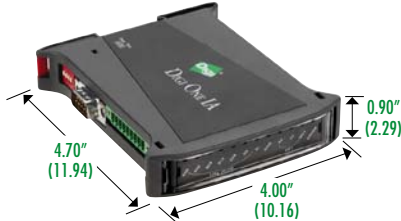
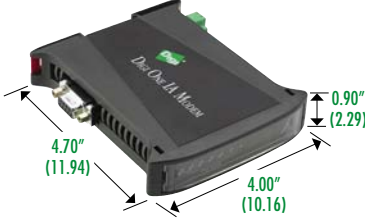
* For cellular device servers, see page 86.

	External Device / Terminal Servers Features Chart							
	Standard	Digi One SP	Digi One RealPort, PortServer TS	PortServer TS MEI	EtherLite	Hardened/Extended Temp	PortServer TS H MEI	Wireless
Serial Ports	1	1/2/4/ 8/16	1/2/4/ 8/16	2/8/ 16/32		1/2/4		1/2/4
Serial Type	RS-232/ 422/485	RS-232	RS-232/ 422/485	RS-232/ 422/485 RS-422/485		RS-232/ 422/485		RS-232/ 422/485
Serial Connector	DB-9	RJ-45	RJ-45	RJ-45		RJ-45		RJ-45
10/100Base-T	•	•	•	•		•		•
Baud	230 Kbps	230 Kbps	230 Kbps	115 Kbps		230 Kbps		230 Kbps
DHCP, RARP, Static IP, ARP-Ping	•	•	•	• (static IP only)		•		•
TCP/UDP	•	•	•			•		•
Modbus/TCP			†			•		•
Telnet/Reverse Telnet	•	•	•	•		•		•
HTTP	•	•	•			•		•
HTTPS		Δ	•			•		•
SSH v2 Server, SSL/TLS		Δ	•			•		•
SNMP		•	•			•		•
Port Buffering		Δ	•			•		•
Modem Emulation	•		•			•		•
DIN Rail		• (optional)	• (optional)			• (optional)		• (optional)
9-30VDC	•		•			•		•
COM/TTY Driver	RealPort	Δ RealPort with Encryption	RealPort with Encryption	RealPort		RealPort with Encryption		RealPort with Encryption
Special Features		• 48VDC models Δ				• Extended temp (-35° C to +70° C)		• 802.11b wireless

Δ PortServer TS 8/16 only

† PortServer 1/2/4 MEI only

Modem	PortServer TS M MEI	Power	PortServer TS P MEI	Customizable	Digi Connect SP	Digi Connect Wi-SP	Industrial	Digi One IAP	Digi One IA	Digi One SP IA	Digi One IA Modem
1/3		1/2/4		1	1/2		1	1	1	1	
RS-232/ 422/485		RS-232/ 422/485		RS-232/ 422/485	RS-232/ 422/485		RS-232/ 422/485	RS-232/ 422/485	RS-232/ 422/485	RS-232	
RJ-45		DB-9		DB-9	DB-9		DB-9 and screw terminals	DB-9 and screw terminals	DB-9	DB-9	
•		•		•	•		•	•	•		
230 Kbps		230 Kbps		230 Kbps	230 Kbps		230 Kbps	230 Kbps	230 Kbps	up to 53K	
•		•		•	•		•	•	•		
•		•		•	•		•	•	•		
•		•					•	•			
•		•		•	•		•	•	•		
•		•		•	•		•	•	•		
•		•		•	•		•				
•		•		•	•		•				
•		•		•	•		•				
•		•		•	•		•	•	•		
• (optional)		• (optional)					•	•	• (via kit)	•	
•		•		•	•		•	•	•	•	
RealPort with Encryption		RealPort with Encryption		RealPort	RealPort		RealPort with Encryption	RealPort	RealPort		
• Internal modem		• Powered serial • Powered Ethernet (802.3af)		• Custom- izable and plug- and-play firmware models	• Custom- izable and plug- and-play firmware models		• Pass- through port • Industrial Ethernet/ serial protocols • Class 1, Div 2	• Class 1, Div 2	• DIN rail and wall mount kit	• Internal modem • Class 1, Div 2	

Serial-to-Ethernet	Standard Series	Digi One SP 	Digi One RealPort 	PortServer TS 2/4 	PortServer TS 1/2/4 MEI 	
	Standard Series	PortServer TS 8 	PortServer TS 16 	PortServer TS 16 Rack, PortServer TS 16 8/16 MEI 		
	Standard Series	EtherLite 2 	EtherLite 160 	EtherLite 32 		
	Hardened/Extend. Temp.	PortServer TS 1/2/4 H MEI 	Wireless Series	PortServer TS 1/2/4 W MEI 	Modem Series	PortServer TS 1/3 M MEI 
	Power Series	PortServer TS 1/2/4 P MEI 	Customizable	Digi Connect SP 	Digi Connect Wi-SP 	
	Industrial	Digi One IAP 			Digi One IA 	
	Digi One SP IA 			Digi One IA Modem 		

Measurements: inch (cm)

	Windows 2000/XP/ Server 2003	Windows NT 4.0	Windows 98/ME	AIX	HP-UX	Linux	SCO OpenServer	SCO UnixWare	Solaris Intel	Solaris SPARC
Digi One SP	•	•	•	•	•	•	•	•	•	•
Digi One RealPort, PortServer TS	•	•	•	•	•	•	•	•	•	•
PortServer TS MEI	•	•	•	•	•	•	•	•	•	•
EtherLite	•	•	•	•	•	•	•	•	•	•
PortServer TS H MEI	•	•	•	•	•	•	•	•	•	•
PortServer TS W MEI	•	•	•	•	•	•	•	•	•	•
PortServer TS M MEI	•	•	•	•	•	•	•	•	•	•
PortServer TS P MEI	•	•	•	•	•	•	•	•	•	•
Digi Connect SP	•	•	•	•	•	•	•	•	•	•
Digi Connect Wi-SP	•	•	•	•	•	•	•	•	•	•
Digi One IAP	•	•	•	•	•	•	•	•	•	•
Digi One IA	•	•	•	•	•	•	•	•	•	•
Digi One SP IA	•	•	•	•	•	•	•	•	•	•

* Digi One IA Modem is operating system independent.

Digi One® SP :: Standard Device Server

+



+

Overview :: Digi One SP allows any device with a serial port to easily connect to the Ethernet. Its compact design delivers cost-effective performance and capability in one of the smallest form factors available. It is ideal for applications requiring simple and easy-to-use data communications.

+

+

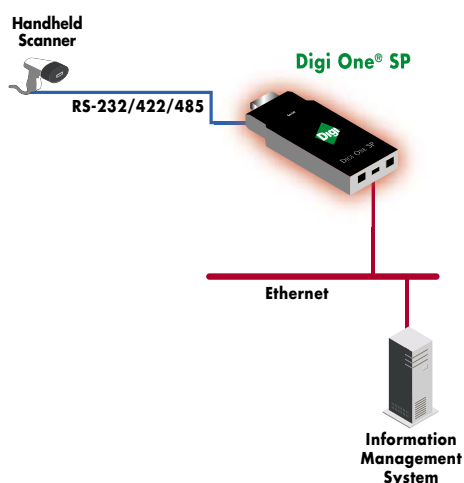
+ Features ::

- Easy configuration using installation CD
- Compact form factor – only 3.7 in (9.4 cm) in length
- Patented RealPort® redirector for COM or TTY port control and management
- TCP/UDP Socket Services for broad device connectivity and application use
- Auto-connect the serial device to networked server using raw, Telnet, Rlogin
- Reverse Telnet for easy access of serial devices from network
- Easy configuration through web browser interface (HTTP)
- Single port with switch selectable RS-232/422/485 for simple interfacing to any type of serial device
- Modem emulation allows support for devices designed only for modem communications
- 5-year warranty

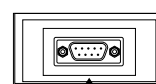
+ Specifications ::

- 10/100Base-T Ethernet support
- 1 switch selectable RS-232/422/485 DB-9M serial port
- Baud rates up to 230 Kbps
- Full modem and hardware flow control
- Modem emulation
- TCP/UDP Socket Services
- UDP Multicast
- Telnet and Reverse Telnet
- DHCP/RARP/ARP-Ping for IP address assignment
- HTTP configuration
- Patented RealPort technology
- RFC 2217 support
- LED status for link and power

Retail/POS

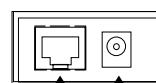


Digi One SP - Front



DB-9M Serial

Digi One SP - Back



Ethernet Power

Part Numbers ::

North America International

Model

Digi One SP - 1 port

70001851

70001852

All cables and accessories: pg. 110-111.

Digi One RealPort® & PortServer® TS 2/4 :: Standard Device Servers

Overview :: Digi One RealPort and PortServer TS 2/4 deliver standard serial-to-Ethernet connectivity simply and reliably. They address the growing need to connect individual devices to the network over industry standard Ethernet. The solutions are ideal for applications requiring COM ports or where TCP/UDP Sockets or UDP multicast functionality is required.

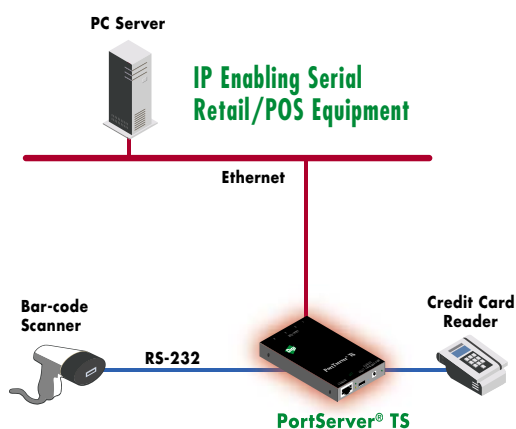


+ Features ::

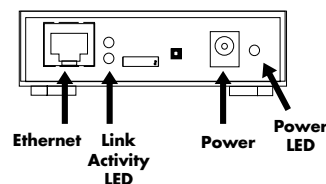
- Easy configuration using installation CD
- Patented RealPort® redirector for COM or TTY port control and management
- TCP/UDP Socket Services for broad device connectivity and application use
- Auto-connect the serial device to networked server using raw, Telnet, Rlogin
- SNMP for easy network management
- Reverse Telnet for easy access of serial devices from network
- Easy configuration through web browser interface (HTTP)
- Switch selectable RS-232 for simple interfacing to any type of serial device
- Modem emulation allows support for devices designed only for modem communications
- 5-year warranty

+ Specifications ::

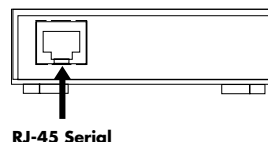
- 10/100Base-T Ethernet support
- 1/2/4 ports
- RS-232 RJ-45 serial
- Baud rates up to 230 Kbps
- Full modem and hardware flow control
- Modem emulation
- TCP/UDP Socket Services
- UDP Multicast
- Telnet and Reverse Telnet
- DHCP/RARP/ARP-Ping for IP address assignment
- SNMP
- HTTP configuration
- Patented RealPort technology for COM and TTY ports
- RFC 2217 support
- LED status for link and power
- DIN rail and mounting options



Digi One RealPort & PortServer TS 2/4 - Front



Digi One RealPort - Back



See page 21 for 8- and 16-port versions.

Part Numbers ::

North America International

Model

Digi One RealPort – 1 port
PortServer TS 2 – 2 ports
PortServer TS 4 – 4 ports

70001749

70001752

70001750

70001753

70001751

70001754

All cables and accessories: pg. 110-111.

PortServer® TS 1/2/4 MEI :: Standard Device Servers



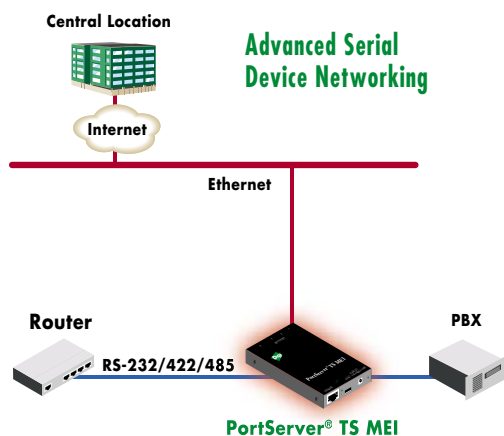
Overview :: PortServer TS MEI (Multi-Electrical Interface, RS-232/422/485) makes it easy to connect any serial device to your network. Available in one-, two and four-port versions, it combines the inherent benefits of data networking with proven asynchronous connectivity to deliver powerful, yet simple Ethernet connectivity for all your serial devices.

+ Features ::

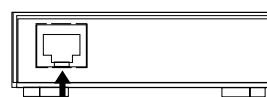
- Switch selectable RS-232/422/485 for simple interfacing to virtually any type of serial device
- Digi's patented RealPort® with Encryption redirector for COM or TTY port control and management
- Management and diagnostic utility for simple and efficient device monitoring and troubleshooting
- Modem emulation for easy integration and replacement of modems
- NIST FIPS-certified (secure AES)
- Secure communication via SSH v2 and SSL/TLS
- Port buffering for data capture
- Easy configuration through web browser interface (HTTP/HTTPS)
- SNMP for easy network management
- PPP for network enabling serial device
- Industry leading low latency
- 5-year warranty

+ Specifications ::

- 10/100Base-T Ethernet support
- 1/2/4 ports
- Switch selectable RS-232/422/485 RJ-45 serial
- Baud rates up to 230 Kbps
- TCP/UDP/Telnet Socket Services
- Patented RealPort with Encryption
- 9-30VDC input
- Modem emulation
- SNMP (read/write)
- PPP
- SSH v2, SSL/TLS
- Port buffering
- Modbus to Modbus/TCP conversion
- HTTP
- DHCP/RARP/ARP-Ping for IP address assignment
- RFC 2217 support
- DIN rail and mounting options

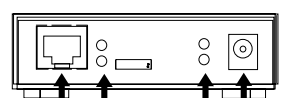


PortServer TS 1 MEI - Back



RJ-45 Serial

PortServer TS 1 MEI - Front



Ethernet Link Activity LEDs Power Status LEDs Power

Part Numbers ::

North America International

Model

PortServer TS 1 MEI – 1 port	70001805	70001832
PortServer TS 2 MEI – 2 ports	70001806	70001833
PortServer TS 4 MEI – 4 ports	70001807	70001834

All cables and accessories: pg. 110-111.

PortServer® TS 8/16 Family :: Terminal Servers

Overview :: The PortServer TS 8/16 family delivers simple, reliable and cost effective RS-232/422/485 serial-to-Ethernet connectivity with a robust feature set for efficient device management. It is ideal for a wide range of applications including property management, retail/POS, travel reservations, industrial automation and data acquisition. The PortServer TS 8/16 family also offers additional value for console management applications that do not require the high-end features of the Digi CM (page 54).

+

+



+

+

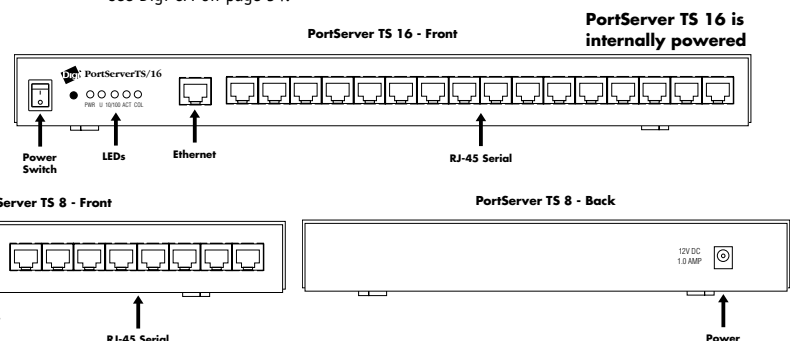
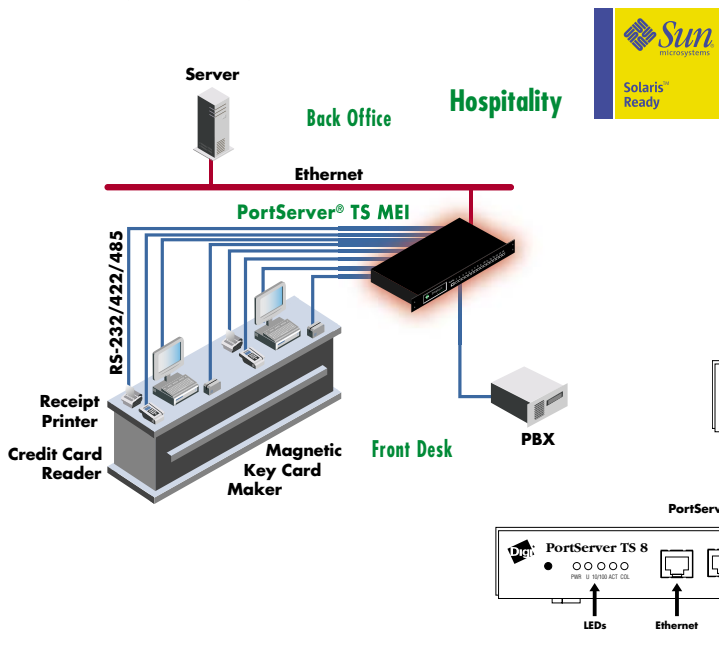
+ Features ::

- Cost-effective serial-to-network connectivity
- SSH v2 ensures encrypted connections
- Patented RealPort® with Encryption redirector provides local serial port functionality
- NIST FIPS-certified (secure AES)
- Ports may be shared between multiple hosts running different operating systems
- Supports SNMP for easy network management
- Supports RADIUS authentication and accounting
- NEBS Level III certified in a system
- 5-year warranty

+ Specifications ::

- 10/100Base-T Ethernet support
- 8/16 ports
- RS-232 and switch selectable RS-232/422/485 models
- 19" rack kit model
- Baud rates up to 230 Kbps
- TCP/UDP/Telnet Socket Services
- Patented RealPort with Encryption
- RFC 2217 support
- 9-30VDC input
- 48VDC power option (RS-232 models only)
- Modem emulation
- SNMP (read/write)
- PPP
- SSH v2, SSL/TLS
- Port buffering
- Modbus to Modbus/TCP conversion
- HTTP
- Digi Port Authority – Remote management diagnostics and auto-discovery tool
- DHCP/RARP/ARP-Ping for IP address assignment

* For a more robust solution to manage server room devices, see Digi CM on page 54.



Part Numbers ::

North America International

Model

PortServer TS 8 – 8 ports, RS-232
 PortServer TS 8 MEI – 8 ports, RS-232/422/485
 PortServer TS 8, 48VDC – 8 ports, RS-232
 PortServer TS 16 – 16 ports, RS-232
 PortServer TS 16 MEI – RS-232/422/485
 PortServer TS 16 Rack – 16 ports, RS-232, 19" rack
 PortServer TS 16, 48VDC – 16 ports, RS-232
 PortServer TS 16 Enterprise Rack – 16 ports, RS-232, 19" rack

70001734	70001741
70001979	70001981
70001885	70001885
70001733	70001738
70001978	70001980
70001742	70001743
70001747	70001747
70001928	70001929

All cables and accessories: pg. 110-111.

EtherLite® :: Standard Terminal Servers

+



+

Overview :: The Digi EtherLite family delivers the functionality of an asynchronous adapter onto the Ethernet network from two to 32 serial ports. EtherLite requires a connection to a computer with a Digi supported operating system and offers easy installation and network efficiency at a low price per port. It is ideal for retail/POS, process control and data collection, as well as console management of servers, routers, hubs, switches, PBXs and other networking devices with console ports.

+

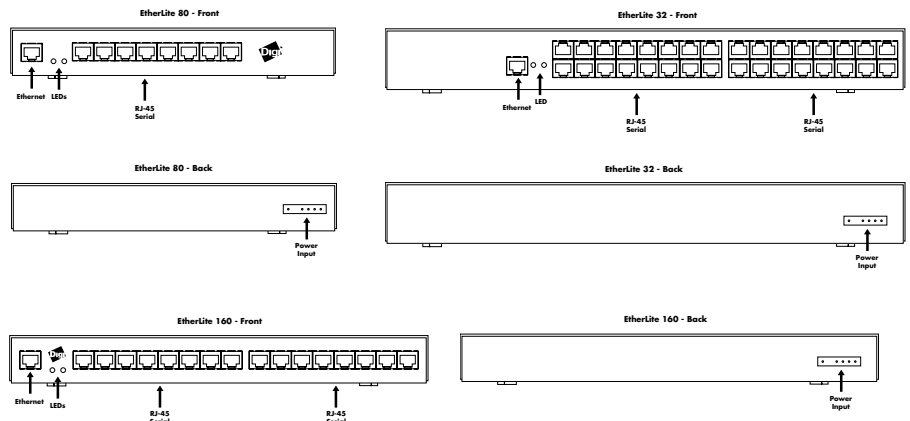
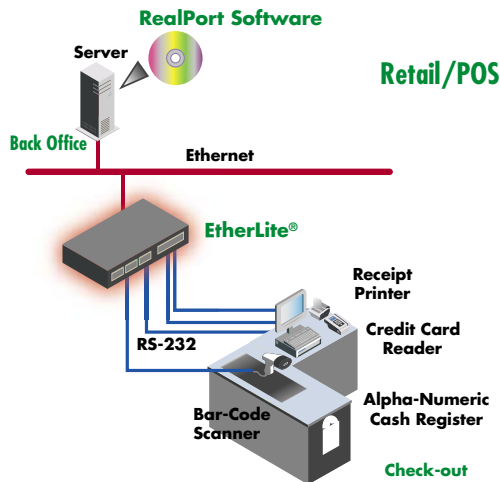
+ Features ::

- Choose from RS-422, RS-485 and RS-232/422 switch selectable models for added flexibility
- Multiplexes all serial ports into a single TCP/IP session, minimizing Ethernet traffic
- Flash memory for instant field upgrades
- RealPort® drivers for UNIX, Linux and Windows
- Easy to install and configure
- Delivers real serial ports, without Telnet, Rlogin, Reverse Telnet or other complex networking overhead
- No Sun break issues
- 5-year warranty

+

+ Specifications ::

- 2/8/16/32 asynchronous serial ports
- 2-port RS-422 and RS-485 serial
- 16-port switch selectable RS-232/422 serial
- 2-port RS-485 serial
- Up to 115 Kbps on all ports simultaneously
- Auto-detection of either 10 Mbps or 100 Mbps Ethernet (EtherLite 80, 160 and 162 models)
- Flash memory
- Full RAS support on Windows NT and Windows 2000
- 1U rack-mountable 32-port model
- Sun break-safe
- RFC 2217 support



Part Numbers ::

North America International

Model

EtherLite 2 - 2 ports, RS-232, RJ-45	70001430	70001531
EtherLite 2 - 2 ports, RS-422, RJ-45	70001432	70001532
EtherLite 2 - 2 ports, RS-485, RJ-45	70001683	70001706
EtherLite 160 - 16 ports, RS-232, RJ-45	70001427	70001528
EtherLite 162 - 16 ports, RS-422, RJ-45	70001428	70001529
EtherLite 32 - 32 ports, RS-232, RJ-45	70001429	70001533
EtherLite 80 - 8 ports, RS-232, RJ-45	70001767	70001768

All cables and accessories: pg. 116.

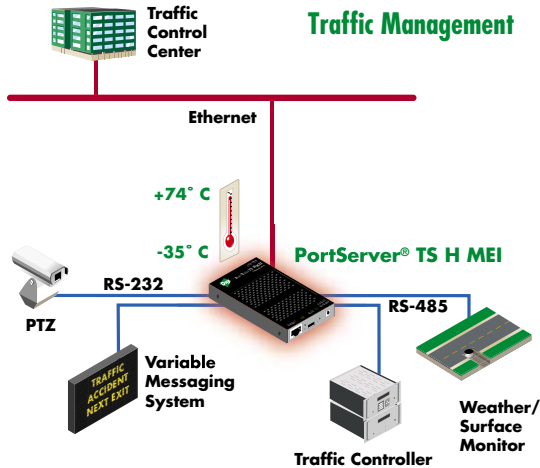
PortServer® TS H MEI :: Hardened/Extended Temp Device Servers

Overview :: PortServer TS H MEI is designed specifically for traffic management, pipelines or any remote application requiring a hardened serial-to-Ethernet solution that can withstand extreme temperatures (-35° C to +70° C). Available in one-, two-, and four-port versions, PortServer TS H MEI makes it easy to network-enable and remotely manage variable message signs, loop detectors, ramp meters or any RS-232/422/485 serial device.



+ Features ::

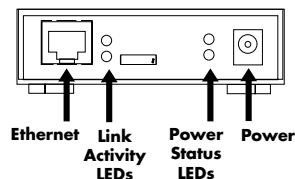
- Robust, hardened model with extended temperature range of -31° F to +158° F (-35° C to +70° C)
- Easily network-enable virtually any serial device
- RS-232/422/485 switch selectable on Port 1, RS-232 on all other ports
- Patented Digi RealPort® with Encryption redirector for COM or TTY port control and management
- Monitoring and diagnostic utility for simple and efficient device monitoring and troubleshooting
- NIST FIPS-certified (secure AES)
- Secure communication via SSH v2 and SSL/TLS
- Port buffering for data capture
- Easy configuration through web browser interface (HTTP)
- Industry leading low latency
- 9-30VDC power with bare-wire "pigtail" for direct connection
- 5-year warranty



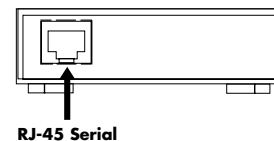
+ Specifications ::

- 10/100Base-T Ethernet support
- 1/2/4 ports
- Switch selectable RS-232/422/485 RJ-45 serial
- Baud rates up to 230 Kbps
- TCP/UDP/Telnet Socket Services
- Patented RealPort with Encryption
- 9-30VDC input
- Modem emulation
- SNMP (read/write)
- PPP
- SSH v2
- Port buffering
- Low latency
- Modbus to Modbus/TCP conversion
- HTTP
- Digi Port Authority – Remote management diagnostics and auto-discovery tool
- DHCP/RARP/ARP-Ping for IP address assignment
- RFC 2217 support
- DIN rail and mounting options

PortServer TS H MEI - Front



PortServer TS H MEI - Back



Part Numbers ::

North America International

Model

PortServer TS 1 H MEI - 1 port	70001917	70001917
PortServer TS 2 H MEI - 2 ports	70001918	70001918
PortServer TS 4 H MEI - 4 ports	70001919	70001919
Extended Temperature Power Supply	76000717	76000717

All cables and accessories: pg. 110-111.

PortServer® TS W MEI :: Wireless Device Servers



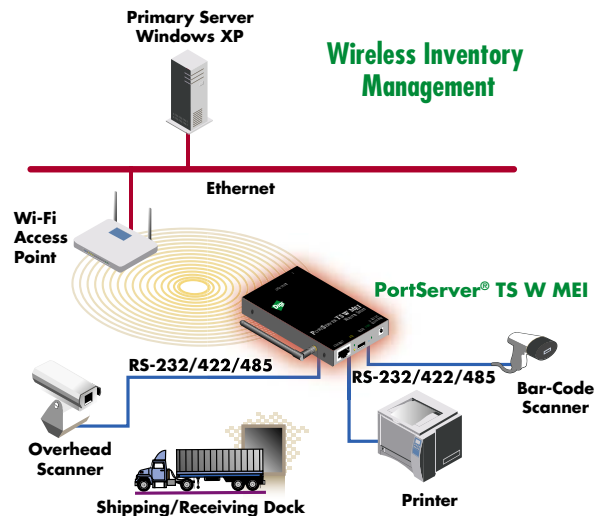
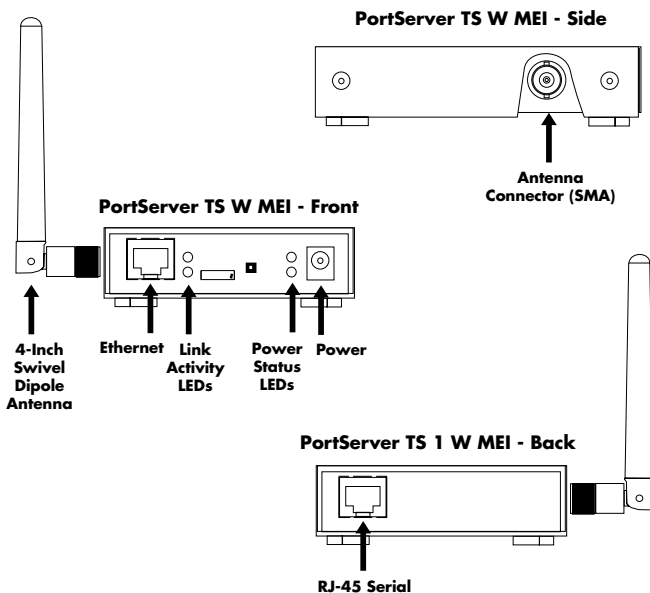
Overview :: PortServer TS W MEI is designed to easily integrate any RS-232/422/485 serial device to an 802.11b wireless Ethernet network. It is ideal for use in environments where wired LANs are not feasible and where serial devices are periodically moved.

+ Features ::

- Easily connect serial devices to an 802.11b wireless Ethernet network interface
- Patented RealPort® with Encryption redirector for COM or TTY port control and management
- External antenna connector (SMA) can also be used with third party antenna for extended range/performance
- Includes four-inch 50 ohm swivel dipole antenna
- Switch selectable RS-232/422/485 for simple interfacing to any type of serial device
- Monitoring and diagnostics utility for simple and efficient device monitoring and troubleshooting
- NIST FIPS-certified (secure AES)
- Data security via SSH v2, and SSL/TLS
- Wired Equivalent Privacy (WEP)
- Easy configuration through web browser interface (HTTP)
- 5-year warranty

+ Specifications ::

- 10/100Base-T Ethernet support
- 1/2/4 ports
- Switch selectable RS-232/422/485 RJ-45 serial
- Baud rates up to 115.2 Kbps
- 802.11b wireless radio
- WEP supporting 64-bit and 128-bit encryption
- TCP/UDP/Telnet Socket Services
- Patented RealPort with Encryption for COM and TTY ports
- RFC 2217 support
- 9-30VDC input
- Modem emulation
- SNMP (read/write)
- PPP
- SSH v2
- Port buffering
- Low latency
- Modbus to Modbus/TCP conversion
- DIN rail and mounting options



Part Numbers ::

North America International

Model

PortServer TS 1 W MEI – 1 port
PortServer TS 2 W MEI – 2 ports
PortServer TS 4 W MEI – 4 ports

70001954	70001955
70001956	70001957
70001958	70001959

All cables and accessories: pg. 110-111.

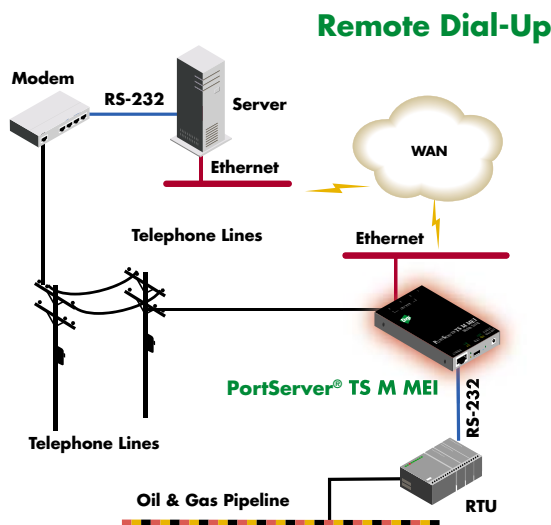
PortServer® TS M MEI :: Internal Modem Device Servers

Overview :: PortServer TS M MEI offers Ethernet and RS-232/422/485 serial connections, with the added flexibility of an internal modem. The one- and three- port device servers are ideal for applications requiring both IP networking and standard phone line dial-up connectivity for remote access to serial devices.



+ Features ::

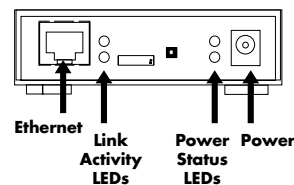
- Easily bridge remote network devices
- Internal V.92 modem
- Static and RIP1 routing
- Switch selectable RS-232/422/485 for simple interfacing to any type of serial device
- Patented Digi RealPort® with Encryption redirector for COM or TTY port control and management
- NIST FIPS-certified (secure AES)
- PPP and SSH for creating secure IP network over serial connection
- Easy IP assignment via DHCP, RARP, ARP-Ping or Digi Port Authority-Remote application (included)
- 5-year warranty



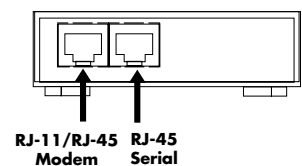
+ Specifications ::

- 10/100Base-T Ethernet support
- 1/3 ports
- Switch selectable RS-232/422/485 RJ-45 serial
- RJ-45 modem serial port connection
- Baud rates up to 230 Kbps (serial ports)
- Internal v.90/v.92 modem
- Full modem and hardware flow control
- DHCP/RARP/ARP-Ping for IP address assignment
- Low latency
- TCP/UDP Socket Services
- UDP Multicast
- Telnet and Reverse Telnet
- Patented RealPort with Encryption technology for COM and TTY ports
- RFC 2217 support
- PPP
- Static routing
- RIP 1
- SSH v2
- Port buffering
- Modbus/TCP protocol conversion
- HTTP
- SNMP v1 (read/write)
- DIN rail and mounting options

PortServer TS 1/3 M MEI - Front



PortServer TS 1 M MEI - Back



Part Numbers ::

North America International

Model

PortServer TS 1 M MEI – 1 port
PortServer TS 3 M MEI – 3 ports

70001898
70001899

70001985
70001986

All cables and accessories: pg. 110-111.

PortServer® TS P MEI :: Power Series Device Servers

+



+

Overview :: The PortServer TS P MEI Power Series is designed for universal, high-performance serial-to-Ethernet connectivity with versatile powering options. It is ideal for RS-232/422/485 applications where traditional power alternatives such as powered Ethernet (802.3af) and powered serial are required. PortServer TS P MEI can be powered by an external device via the serial port (power in) or can power an external device via the serial port (power out) for added flexibility.

+

+

+ Features ::

- Easily network-enable multiple serial devices
- RS-232/422/485 for simple interfacing to virtually any type of serial device
- Supports powered Ethernet (802.3af) or powered serial for versatile and redundant powering options
- Digi EasyPower™ hubs available to power small concentrations of 802.3af devices
- Patented RealPort® with Encryption redirector for COM or TTY port control and management
- Management and diagnostic utility for simple and efficient device monitoring and troubleshooting
- Modem emulation for easy integration and replacement of modems
- Secure communication via SSH v2
- Port buffering for data capture
- Easy configuration through web browser interface
- SNMP for easy network management
- Industry leading low latency
- 5-year warranty

+ Specifications ::

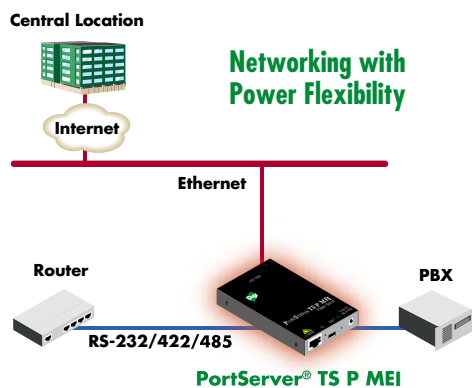
- 10/100Base-T Ethernet support
- 1/2/4 ports
- Switch selectable RS-232/422/485 RJ-45 serial
- Baud rates up to 230 Kbps
- Full modem and hardware flow control
- TCP/UDP Socket Services
- UDP Multicast
- Telnet, SSH v2
- 802.3af powered Ethernet (mid-span)
- SNMP (read/write)
- PPP
- Low latency
- Modbus to Modbus/TCP conversion
- HTTP
- DHCP/RARP/ARP-Ping for IP address assignment
- RFC 2217 support

Serial Power Input

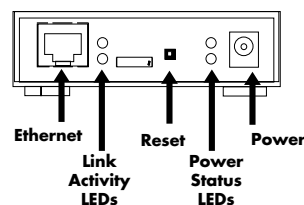
- DC input connector, 9-30VDC, 525 mA max
- Serial Port 1, Pin 1 (RI), 9-30VDC, 525 mA max

Serial Power Output

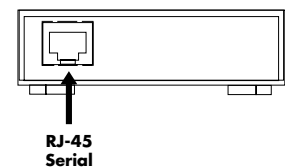
- Available on all serial ports
- 1 watt available power with selectable voltage level
- Pin 1 (RI) 5VDC up to 200 mA max
- Pin 9 (DTR) 9VDC up to 100 mA max



PortServer TS P MEI - Front



PortServer TS P MEI - Back



Part Numbers ::

North America International

Model

PortServer TS 1 P MEI – 1 port	70001988	70001991
PortServer TS 2 P MEI – 2 ports	70001989	70001992
PortServer TS 4 P MEI – 4 ports	70001990	70001993
Digi EasyPower 1 - 1 power and data port	76000660	76000714
Digi EasyPower 6 - 6 power and data ports	76000661	76000715

All cables and accessories: pg. 110-111.

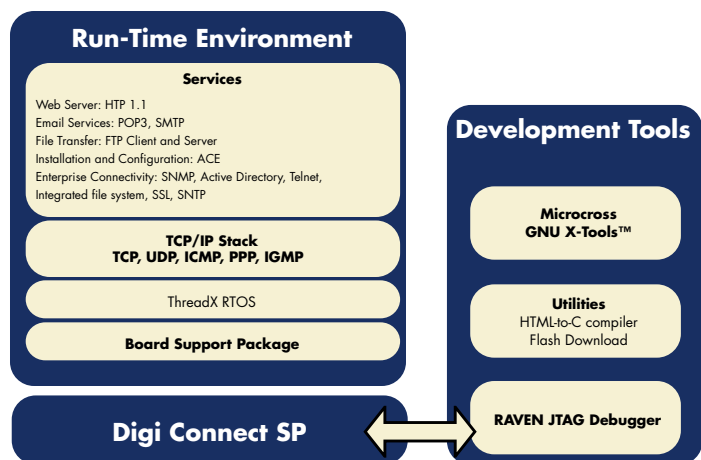
Digi Connect® SP :: Customizable Device Servers

Overview :: Digi Connect SP is the ideal platform for your custom web- and network-enabled embedded applications. The Digi Connect SP Development Kit significantly reduces traditional design risks, accelerates the overall software development process, and delivers all integrated building blocks and tools to quickly and cost-effectively create flexible and secure web and networking solutions.



+ Features ::

- Compact off-the-shelf hardware platform for custom network applications
- Switch-selectable RS-232/422/485 interface
- Data rates up to 230 Kbps
- Integrated 10/100 Mbps network interface
- Flexible power input of 9-30VDC
- Significantly improves time-to-market by eliminating hardware design process
- Easy-to-use and royalty-free, out-of-the-box development kit solution
- Quick and cost-effective embedded application software development
- Seamless migration path to a fully integrated system-on-chip solution
- 5-year warranty

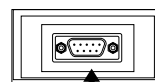


+ Specifications ::

- 32-bit NET+ARM high-performance RISC processor (NS7520 55 MHz)
- 4 MB Flash and 16 MB RAM integrated
- Auto-sensing 10/100 Mbit Ethernet interface and network link
- Switch-selectable RS-232/422/485 interface (DB-9M)
 - Serial data rates up to 230 kbps
 - 7, 8 data bits
 - 1, 1.5, 2 stop bits
 - Mark/space/even/odd parity
 - Full signal support with software/hardware flow control
- Development Kit
 - Digi Connect SP w/JTAG
 - Macgragor Raven JTAG debugger
 - NET+Works software components
 - SMICng MIB compiler
 - Micro XML SAX parser
 - Additional utilities
 - HTML-to-C compiler
 - Flash download
- Sample code
- Documentation
 - Digi Connect SP Hardware Reference
 - NET+OS® Programmer's Guide

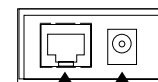
See website for complete specifications.

Digi Connect SP - Front



DB-9M
Serial

Digi Connect SP - Back



Ethernet Power

Part Numbers ::

North America International

Model

Digi Connect SP – 1 port

Digi Connect SP Development Kit (GNU)

DC-SP-01-C

DC-SP-01-GN

DC-SP-01-C

DC-SP-01-GN

Digi Connect® Wi-SP :: Customizable Device Servers



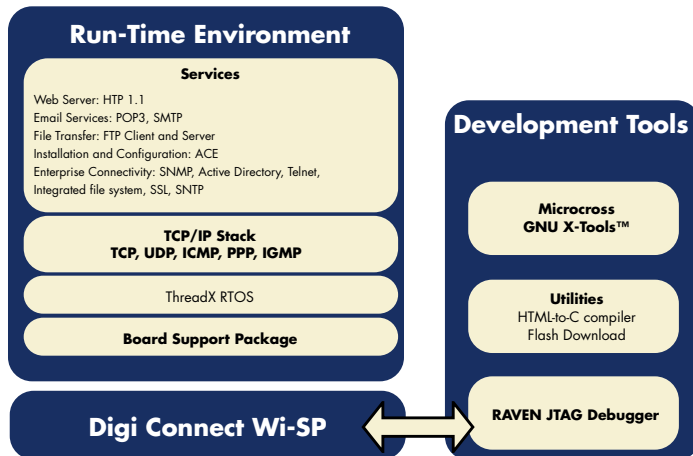
Overview :: The Digi Connect Wi-SP is a flexible and secure wireless device server with full support for WPA2/802.11i and extended EAP wireless LAN security. The combination of Digi plug-and-play firmware and the NET+Works® development kit option make it the ideal platform for virtually any kind of network-enabled embedded application. Eliminating hardware design effort, it delivers a versatile device networking solution that is powerful enough to meet current and future performance requirements.

+ Features ::

- Compact off-the-shelf wireless device server platform
- Product integration flexibility
 - Plug-and-play firmware with easily customizable web user interface
 - Easy-to-use and royalty-free, out-of-the-box development kit solution available
- Switch-selectable RS-232/422/485 interface
- Serial data rates up to 230 Kbps
- Integrated 802.11b wireless network interface
- Strong WPA 2.0/802.11i encryption and authentication plus basic WEP encryption (64-/128-bit)
- Flexible power input of 9-30VDC
- Enclosure with integrated mounting brackets
- 5-year warranty

+ Specifications ::

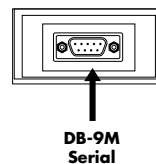
- 32-bit NET+ARM high-performance RISC processor (NS7520 55 MHz)
- 4 MB Flash and 16 MB RAM integrated
- 802.11b wireless network interface
- Switch-selectable RS-232/422/485 interface (DB-9M)
 - Data rates up to 230 Kbps
 - 7, 8 data bits
 - 1, 1.5, 2 stop bit
 - Mark/space/even/odd parity
 - Full signal support with software/hardware flow control
- Development Kit
 - Digi Connect Wi-SP w/JTAG
 - Macraigor Raven JTAG debugger
 - NET+Works software components
 - Microcross GNU X-Tools
 - ThreadX RTOS
 - Fusion TCP/IP Stack
 - SMICng MIB Compiler
 - Micro XML SAX Parser
 - Additional utilities
 - HTML-to-C Compiler
 - Flash download
- Sample code
- Documentation
 - Digi Connect Wi-SP Hardware Reference Manual
 - NET+OS® Programmer's Guide and Tutorials



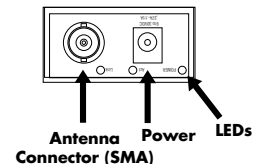
See page 46 for Development Kit information.

See website for complete specifications.

Digi Connect Wi-SP - Front



Digi Connect Wi-SP - Back



Part Numbers ::

North America International

Model

Digi Connect Wi-SP Development Kit (GNU)

DC-WSP-01-GN

DC-WSP-01-GN

Models for Custom Applications

Digi Connect Wi-SP-C

DC-WSP-01-C

DC-WSP-01-C-WW

Models with Plug-and-Play Firmware

Digi Connect Wi-SP-S

DC-WSP-01-S

DC-WSP-01-S-WW

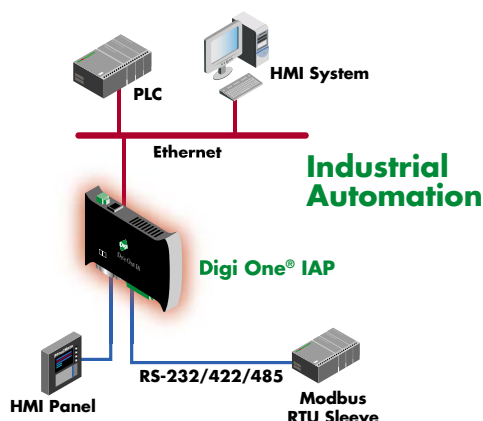
Digi One® IAP :: Industrial Device Servers

Overview :: Digi One IAP is a device server and industrial protocol bridge rolled into one. It is designed for industrial serial-to-Ethernet connectivity, protocol conversion and protocol interoperability, making it an ideal choice for industrial applications requiring specific industry protocol support and where device management and monitoring is critical.



+ Features ::

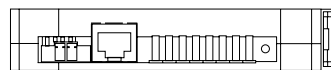
- Industrial serial-to-Ethernet converter and protocol bridge
- TCP/UDP and RealPort® COM/TTY redirector for remote COM port access – any serial protocol can be moved from device over the network to a PC
- Multi-master/multi-protocol concurrent support for Allen-Bradley and Modbus protocols
- Serial and Ethernet protocol bridging support for Allen-Bradley and Modbus protocols promotes interoperability
- ASCII to protocol translation for Allen-Bradley and Modbus
- Industrial DIN rail mounting
- RS-232/422/485 switch selectable including DB-9 and screw terminal connectors for added flexibility
- Second serial port can be used as a pass-through port
- Class 1, Div 2 rated
- Industry leading low latency
- NIST FIPS-certified (secure AES)
- SLL/TLS for encryption and authentication
- 5-year warranty



+ Specifications ::

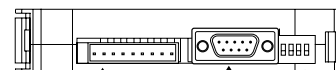
- 10/100Base-T Ethernet support
- Switch selectable RS-232/422/485 RJ-45 serial (Port 1)
- DB-9M and screw terminal block serial port
 - Can be enabled as second direct RS-232 port connection to device on screw terminal
- Baud rates up to 230 Kbps
- Protocol bridge support
 - Ethernet protocols: Modbus/TCP, EtherNet/IP, Allen-Bradley Ethernet
 - Serial protocols: ASCII, DF1, Modbus RTU/ASCII
- Multi-master support for above plus Omron serial protocols and user-defined
- TCP/UDP Socket Services
- Support for 64 concurrent socket connections
- Web-based browser configuration
- Patented RealPort technology
- RFC 2217 support
- SNMP (read/write)
- PPP
- DHCP/RARP, ARP-Ping, Static IP for IP address assignment
- Digi Port Authority – Remote management diagnostics and auto-discovery tool
- 35 mm DIN rail mounting
- 9-30VDC input
- 12 diagnostic LEDs
- <6 ms serial over Ethernet latency

Digi One IAP - Top



Power Input (Screw Terminals) Ethernet

Digi One IAP - Bottom



Serial Port (Screw Terminals) DB-9M Serial DIP Switches

Part Numbers ::

North America International

Model

Digi One IAP

70001777

70001777

All cables and accessories: pg. 110-111.

Digi One® IA :: Industrial Device Servers



Overview :: Digi One IA adds serial-to-Ethernet and Modbus-to-Modbus/TCP network connectivity to virtually any industrial device with a serial port in minutes. Designed to meet the specific requirements of the industrial automation market, it offers an easy way to network-enable previously isolated RS-232/422/485 serial devices such as Programmable Logic Controllers (PLCs), Remote Terminal Units (RTUs), process and quality equipment, motors, drives, bar-code readers and operator displays.

+

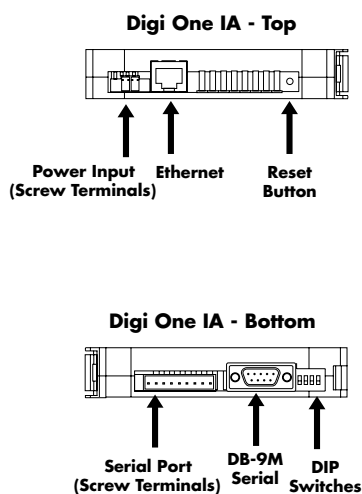
+

+ Features ::

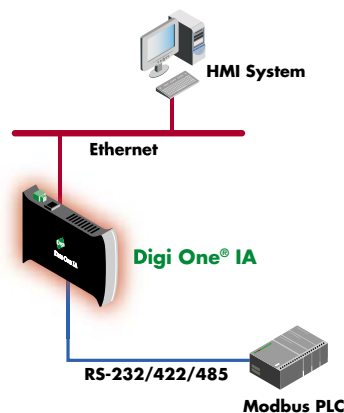
- Easily Ethernet enable any industrial serial device
- Modbus serial to Modbus/TCP protocol conversion
- Industrial DIN rail mounting for use in space-prohibitive control cabinets
- RS-232/422/485 switch selectable including DB-9 and screw terminal connectors for added flexibility
- Patented Digi RealPort® redirector for COM or TTY port control and management
- TCP/UDP Socket Services for broad device connectivity and application use
- Galvanically isolated (from earth ground)
- Class 1, Div 2 rated
- Industry leading low latency
- Easy configuration through web browser interface (HTTP)
- 5-year warranty

+ Specifications ::

- 10/100Base-T Ethernet support
- 1 port
- Switch selectable RS-232/422/485
- DB-9M and screw terminal connectors
- 9-30VDC input with screw terminal block power jack
- Patented RealPort technology
- TCP/UDP Socket Services
- UDP
- Telnet, Reverse Telnet and extended Telnet
- HTTP browser configurable
- DHCP/RARP, APR-Ping for IP addressing assignment
- Flash upgradeable firmware
- Baud rates up to 230 Kbps
- Full modem and hardware flow control
- 35 mm DIN rail mounting
- LED status for serial signals, power, Ethernet and diagnostics
- RFC 2217 support



Industrial Automation



Part Numbers ::

North America International

Model

Digi One IA - 1 port

70001862

70001862

Digi One® SP IA :: Industrial Device Servers

Overview :: Digi One SP IA allows any industrial device with a serial port to be easily connected to Ethernet. The compact device server is designed for entry level RS-232/422/485 serial-to-Ethernet connectivity for industrial automation applications.

+

+



+

+

+ Features ::

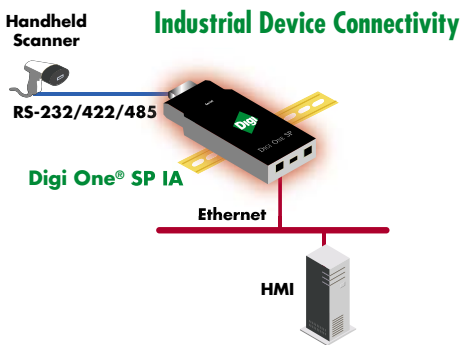


- Switch selectable RS-232/422/485 for simple interfacing to any type of serial device
- Patented Digi RealPort® redirector for COM or TTY port control and management
- TCP/UDP Socket Services for broad device connectivity and application use
- Easy configuration through web browser interface (HTTP)
- Modem emulation allows support for devices designed only for modem communications
- DIN rail and wall mount kits for flexible mounting options
- 9-30VDC power with bare-wire “pigtail” for direct connection included
- RFC 2217 support
- 5-year warranty

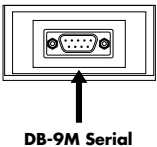
+ Specifications ::



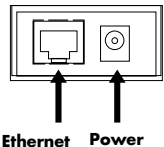
- 10/100Base-T Ethernet support
- 1 port (DB-9)
- RS-232/422/485 switch selectable
- Baud rates up to 230 Kbps
- DIN rail and wall mount kit included
- 9-30VDC input
- Bare-wire “pigtail” power connector
- Full modem and hardware flow control
- Modem emulation
- TCP/UDP Socket Services
- UDP Multicast
- Telnet and Reverse Telnet
- DHCP/RARP/ARP-Ping for IP address assignment
- HTTP configuration
- Patented RealPort technology for COM and TTY ports



Digi One SP IA - Front



Digi One SP IA - Back



Part Numbers ::

North America International

Model

Digi One SP IA – 1 port

70001999

70002000

All cables and accessories: pg. 110-111.



Digi One® IA Modem :: Industrial Device Servers



Overview :: Digi One IA Modem makes it easy to remotely monitor, access and troubleshoot industrial equipment over standard telephone lines. The V.92 56K RS-232 external serial modem is designed specifically to handle the needs of the industrial automation market.

+ Features ::

- V.92 56K serial modem with advanced features
- Industrial DIN rail mounting for use in space-prohibitive control cabinets
- RS-232 9-pin serial for universal connectivity
- 9-30VDC power with screw terminals for flexible power input
- Use in tandem with other Digi device servers for back-up network connection
- Monitor, control or receive knowledge of alarms and events from a remote industrial device
- LEDs for all modem signals
- Rockwell compatible for easy integration into existing application
- 5-year warranty

+ Specifications ::

- DIN rail form factor
- RS-232 serial connection
- 9-30VDC with screw terminals @ 0.5mA max
- LED for all modem signals
- Ships with straight-through DB-9F to DB-9M cable
- Advanced modem features
 - Extension pick-up detection
 - Remote hang-up detection

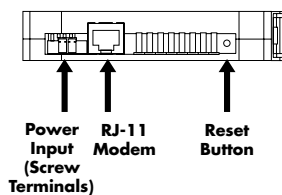
Data Modem

- ITU-T V.92/K56flex (SC56), V.34 (SC56 and SC336), V.32bis, V.32, V.22bis, V.22, V.23 and V.21; Bell 212A and Bell 103
- V.42 LAPM and MNp 2-4 error correction
- V.42bis and MNP 5 data compression
- Configurable auto-answer

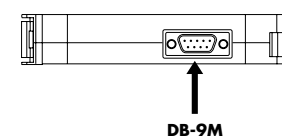
Fax Modem

- ITU-T V.17, V.29, V.27ter and V.21 ch.2

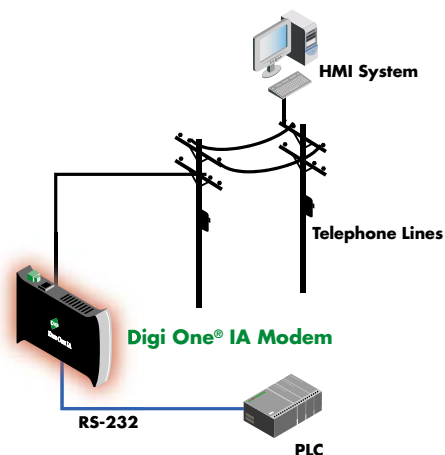
Digi One IA Modem - Top



Digi One IA Modem - Bottom



Remote Site Access



Part Numbers ::

North America International

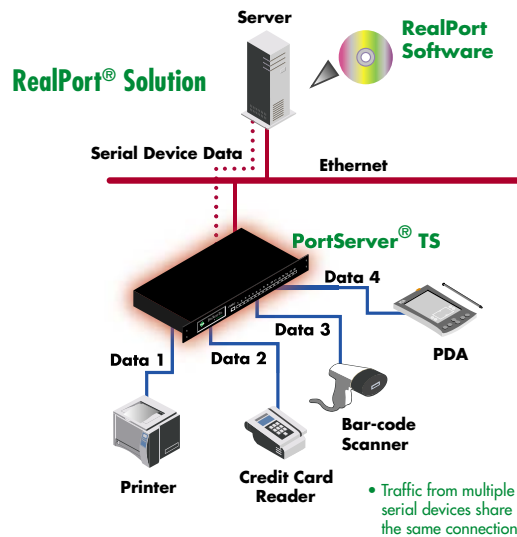
Model

Digi One IA Modem – 1 port

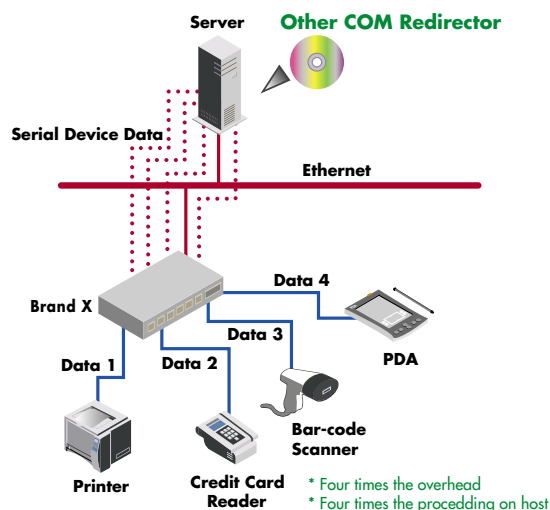
70001876

70001876

Management Tools/Special Features :: RealPort®



Other COM Redirector



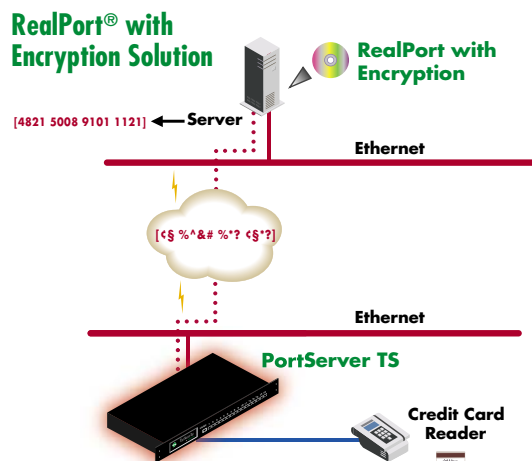
Overview :: Digi's patented RealPort software allows companies to easily network-enable serial devices without spending valuable time and money to re-write existing application programs. Many of today's key business applications were written to talk to serial devices that are directly connected to servers; however, these devices are often located far away from servers or PCs.

Digi's RealPort software leverages the TCP/IP network infrastructure to provide a virtual connection to serial devices. The software is installed directly on the server and allows applications to talk to devices across a network as though the devices were directly attached to the server. In actuality, the devices are connected to a Digi device server or terminal server somewhere on the network.

RealPort software is unique among COM port redirectors. It is the only implementation that allows multiple connections to multiple ports over a single TCP/IP connection. This means RealPort supports the maximum number of remote devices – the number is restricted only by the operating system and server processing power. Other implementations on the market require a separate TCP/IP connection for each serial port, resulting in higher network overhead and more processing demands on the server.

RealPort is a standard feature of all Digi device servers and terminal servers. OS support includes Microsoft Windows Server 2003, XP, 2000, NT, 98, Me; SCO Open Server and UnixWare; Linux; AIX; True 64; Sun Solaris SPARC and Intel; HP-UX; and NCR UNIX MP-RAS.

Management Tools/Special Features :: RealPort® with Encryption



Overview :: Digi takes RealPort technology a step further with patent-pending RealPort with Encryption, offering a secure Ethernet connection between the COM or TTY port and a device server or terminal server. Encryption prevents internal and external snooping of data across the network by encapsulating the TCP/IP packets in a Secure Sockets Layer (SSL) connection and encrypting the data using Advanced Encryption Standard (AES), one of the latest, most efficient security algorithms.

RealPort with Encryption is an optional feature available with Digi One IAP, PortServer TS and Digi Connect device servers and terminal servers.

Management Tools/Special Features :: Port Authority - Remote

Overview :: Digi Port Authority – Remote (DPA – Remote) provides the ability to find Digi devices on your network, assign IP addresses and monitor serial ports, Ethernet and protocols. This tool can be used from a UNIX or Windows based client or server and is designed to troubleshoot flow control, wiring and receive/transmit of data for all serial ports.

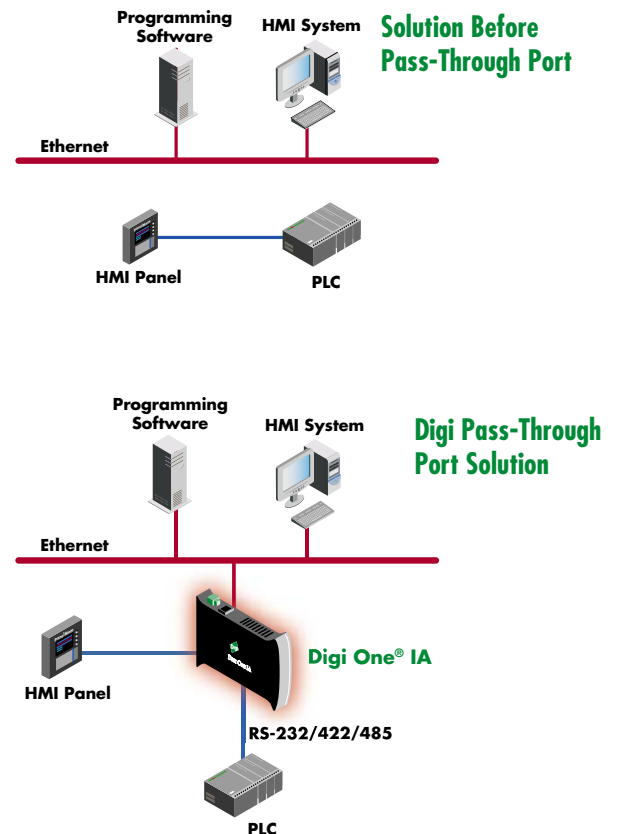
DPA – Remote provides a graphing tool of receive data and buffer space that is refreshed at a user configurable rate. DPA - Remote is standard with the Digi One IA, Digi One IAP, Digi One RealPort, Digi One SP, PortServer TS, PortServer TS MEI, PortServer TS M MEI, PortServer TS H MEI, PortServer TS P MEI and PortServer TS W MEI.



Management Tools/Special Features :: Pass-Through Port

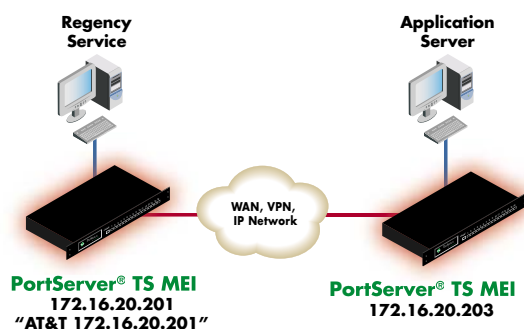
Overview :: Digi One IAP has a second serial port which can optionally be configured as a pass-through port. When a PLC or other serial device is plugged into a device server without pass-through functionality, the serial port on the PLC is unavailable for local use. Now, with the new Digi One IAP pass-through feature, the single serial port on the PLC can be shared. An HMI panel or local PC can be used to program the PLC without interrupting the network masters already connected to the PLC. This pass-through functionality eliminates the need to unplug the serial port from the Digi One IAP to connect a local serial master to the PLC.

Using the pass-through port on the Digi One IAP enables you to perform remote programming from your desk via the network, without losing the ability to locally program the PLC via the serial port. Another key benefit is the ability to connect a PLC to the network without losing a serial port-attached HMI.

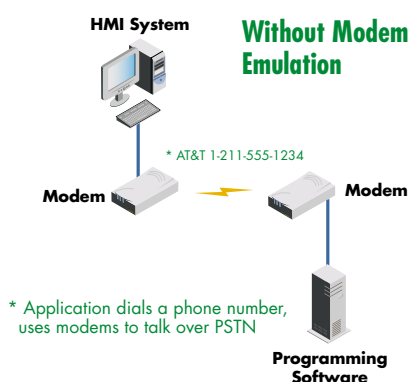


Management Tools/Special Features :: Modem Emulation

With Digi's Modem Emulation



- * Phone number replaced with IP address of host
- * Digi device server or terminal server dials up IP address to communicate over Ethernet



Overview :: Digi's modem emulation technology enables a networked Digi device server or terminal server to act as a modem to send and receive data over an IP network instead of a PSTN (Public Switched Telephone Network). This means that equipment that was designed only for modem access can now communicate transparently to its corresponding software application across the Ethernet.

The Digi product emulates modem responses to a serial device in the field and seamlessly sends and receives data over an Ethernet network. Embedded, pre-designed devices can treat the Digi device like a modem, but allow it to "dial up" an IP address instead of a phone number. A key benefit is the ability to retain legacy software applications and devices without reprogramming devices in the field. Modem emulation also promotes cost savings by utilizing an IP network instead of a PSTN.

The modem emulation feature is available with Digi One SP, Digi One IA, Digi One IAP, PortServer TS 8/16, PortServer TS MEI, PortServer TS H MEI, PortServer TS M MEI, PortServer TS P MEI, PortServer TS W MEI, Digi Connect SP, Digi Connect Wi-SP, and Digi Connect RG.

Management Tools/Special Features :: FIPS Certification

Overview :: Digi International has received Federal Information Processing Standards (FIPS) certification from the National Institute of Standards and Technology (NIST), providing additional security qualifications to our serial-to-Ethernet product lines. The FIPS certification assures federal government agencies that our connectivity products meet the necessary security measures for secure data communications

The Digi Connect product family shares a common implementation of an AES Encryption Algorithm based on Open SSL v0.9.7b. This algorithm has been FIPS certified on the Digi Connect ME and is common to the products and firmware releases listed (see chart).

The PortServer TS and Digi One product families share a common implementation of an AES Encryption Algorithm based on Open SSL v0.9.6c. This algorithm has been FIPS certified on the PortServer TS 4 MEI and PortServer TS 16, and is common to the products and firmware releases listed (see chart).

Product	Firmware Release
Digi Connect ME	82000856_A
Digi Connect Wi-ME	82000977_E
Digi Connect EM	82000904_C
Digi Connect Wi-EM	82000983_E
Digi Connect WAN	82001160_A
Digi Connect RG	82001161_A
Digi One IAP	82000770_D
PortServer TS 1/2/4 MEI	82000747_K
PortServer TS 8/16	82000684_G
PortServer TS 8/16 MEI	82000684_G
PortServer TS H MEI	82000747_K
PortServer TS M MEI	82000747_K
PortServer TS P MEI	82000747_K
PortServer TS W MEI	82000747_K

Visit www.digi.com/fips for complete details.



Embedded Solutions

Modules, Development Tools and Microprocessors

Proven in over 500 network-enabled product designs worldwide, Digi and NetSilicon enable device intelligence and connectivity in a broad range of industries, including telecommunications, building automation and security, retail/POS, industrial automation, office automation, medical and others.

The promise of Digi and NetSilicon device networking? Fast and easy integration, a future-proof design and uncompromising performance.

Embedded Modules and System-on-Chip Solutions

The Digi Connect® family of secure, wired and wireless embedded modules enables original equipment manufacturers to keep pace with ever-evolving networking technology by delivering complete and versatile embedded network connectivity solutions. They are cost-effective and easy to implement in existing and new product designs, while powerful enough to meet your future product needs.

NetSilicon is a leading provider of integrated hardware and software for intelligent, networked devices. A highly integrated “system-on-chip” approach seamlessly combines system-on-silicon and software. We provide a complete development platform for Internet- and Ethernet-connected products. Our products are cost-effective and designed to balance performance and flexibility for your embedded networking applications.

Our high-performance 32-bit NET+ARM microprocessors are ideal for developing your network-enabled products. They are fully supported by the NET+Works® suite of advanced networking development tools and software. The complete and integrated embedded networking package contains a development board and hardware debugger, the royalty-free ThreadX Real-Time Operating System, a TCP/IP stack and networking applications software. Choose either GNU or Green Hills development tools to complete your solution.

Seamless Migration to Total Integration

Built on leading NetSilicon 32-bit NET+ARM technology, Digi Connect embedded modules provide a seamless migration path to a fully integrated system-on-chip solution. They combine true plug-and-play functionality with the freedom and flexibility of complete software customization using the proven NetSilicon NET+Works development platform. Software applications developed with the NET+Works APIs can fully migrate across all Digi Connect hardware platforms, maximizing your initial investment and requiring a single development effort.



+ Embedded Solutions – Modules, Development Tools and Microprocessors

Embedded Modules

- Digi Connect ME® Family pg. 40
- Digi Connect® EM Family pg. 42
- ConnectCore™ 9C..... pg. 44

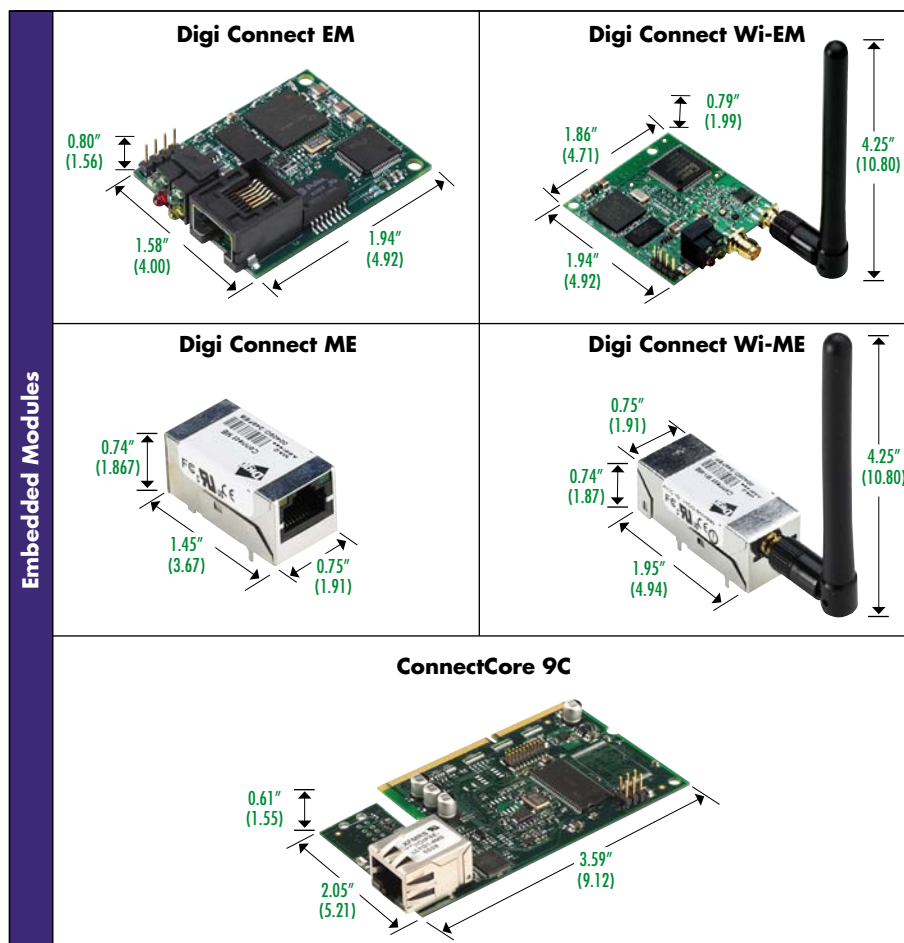
Development Tools

- Digi Connect® Integration Kit pg. 45
- Digi Connect® Development Kit pg. 46
- NET+Works® 6.x pg. 47

Microprocessors

- NS7520 pg. 48
- NET+50 pg. 48
- NS9360 pg. 48
- NS9750 pg. 48
- NS9775 pg. 49

Embedded and Customizable Modules Features Chart		Digi Connect ME	Digi Connect Wi-ME	Digi Connect EM	Digi Connect Wi-EM	ConnectCore 9C
	Type	Co-Processor	Co-Processor	Co-Processor	Co-Processor	Core Module
	Processor	NS7520 (ARM7)	NS7520 (ARM7)	NS7520 (ARM7)	NS7520 (ARM7)	NS9360 (ARM9)
	Speed	55 MHz	55 MHz	55 MHz	55 MHz	155 MHz
	10/100Base-T (Wired)	•		•		•
	802.11b (Wireless)		•		•	
	Serial Ports	1	1	2	2	4
	Serial Connector	TTL	TTL	TTL	TTL	TTL
	Max. Data Rate	230 Kbps	230 Kbps	230 Kbps	230 Kbps	921 Kbps
	GPIO	5	5	9	9	55
	Other Interfaces			SPI	SPI	SPI, I ² C, USB, IEEE 1284
	Flash Memory	2 MB	4 MB	4 MB	4 MB	4 MB
	RAM	8 MB	8 MB	8 MB	8 MB	16 MB
	Power Requirements	0.825 w (3.3VDC @ 250 mA typical)	1.25 w (3.3VDC @ 370 mA typical)	0.825 w (3.3VDC @ 250 mA typical)	1.25 w (3.3VDC @ 370 mA typical)	3.3V @ 750 mA
	Customizable Development Kit	• (- C models)	• (- C models)	• (- C models)	• (- C models)	•
	Plug-and-Play Firmware	• (- S models)	• (- S models)	• (- S models)	• (- S models)	
	Special Features	• 802.3af “mid-span” power pass-through • NIST-certified AES encryption (SSL/TLS)	• Antenna options available • FCC module approval • WEP encryption (64/128-bit) • 802.11i (WPA/WPA2)	• Hardware population options available • 802.3af “mid-span” power pass-through • NIST-certified AES encryption (SSL/TLS)	• Dual diversity antenna • Antenna options available • FCC module approval • WEP encryption (64/128-bit) • 802.11i (WPA/WPA2)	• SO-DIMM design • 802.3af power-pass-through (end- and mid-span) • Population options available (speed grade, memory, connectors)



Measurements: inch
 (cm)

Seamless migration to total integration

**Future proof protection –
software development migrates seamlessly
across all Digi hardware.**

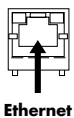
Digi Connect ME® Family :: Wired & Wireless Embedded Modules

Overview :: Based on a unique common platform design approach, the Digi Connect ME and Digi Connect® Wi-ME embedded modules offer pin-compatible “drop-in” integration. This allows you to build future-proof products based on a single design supporting both wired 10/100Base-T and 802.11b wireless Ethernet connectivity. These connector-style modules include all the functionality you need in a single component solution to cost-effectively and easily implement in existing and new product designs, while powerful enough to meet your future product performance needs.

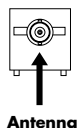
+ Features ::

- Interchangeable and pin-compatible single-component solution based on 32-bit NET+ARM processor
- One high-speed TTL serial interface
- Wireless Ethernet network interface
 - 802.11b network interface with data rates up to 11 Mbps
 - 802.11i (WPA/WPA2) and WEP encryption
 - FCC module approval improves time-to-market
- Wired Ethernet network interface
 - Auto-sensing 10/100Base-T network interface
 - Innovative power pass-through option for network powered products
- Low power consumption and industrial temperature range
- Strong SSL/TLS encryption for security sensitive environments (NIST FIPS-certified)
- Plug-and-play Integration Kit models eliminate embedded software development effort (Digi Connect ME-S, Digi Connect Wi-ME-S)
- Development Kit models built on easy-to-use and royalty-free NET+Works® platform for custom embedded application development (Digi Connect ME-C, Digi Connect Wi-ME-C)
- Path to full compliance with the European Union's Restriction of Hazardous Substances (RoHS) directive
- Class B certified
- 5-year warranty

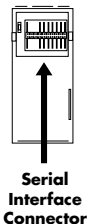
Digi Connect ME - Back



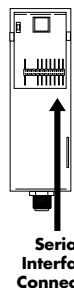
Digi Connect Wi-ME - Front



Digi Connect ME - Bottom



Digi Connect Wi-ME - Bottom



+

+

+

+

+ Specifications ::

Hardware

- 32-bit NET+ARM high-performance RISC processor (NS7520 @ 55 MHz)
- On-board memory: 2/4 MB (wired) or 4 MB (wireless) Flash and 8 MB RAM
- On-board power supervisor
- 1 high-speed TTL serial interface
 - Throughput up to 230 Kbps
 - Full signal for TXD, RXD, RTS, CTS, DTR, DSR and DCD
 - Hardware and software flow control
- 5 shared General Purpose Input/Output (GPIO) ports
- LEDs for link integrity, diagnostic, serial activity and network activity
- Operating temperature
 - Digi Connect ME: -40° C to +85° C (-40° F to +185° F)
 - Digi Connect Wi-ME: -20° C to +85° C (-4° F to +185° F)
- 2.4 MHz RP-SMA dipole antenna included (Digi Connect Wi-ME)
- Wave-solderable design (no clean flux process)

Network Interface

Digi Connect ME

- Standard: IEEE 802.3
- Physical Layer 10/100Base-T
- Data rate: 10/100Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)
- Connector RJ-45

Digi Connect Wi-ME

- Standard: IEEE 802.11 b
- Frequency: 2.4 GHz
- Data rate: Up to 11 Mbps with automatic fallback
- Modulation: CCK (11/5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
- Transmit power: 16 dBm typical
- Receive sensitivity: -82 dBm @11 Mbps
- Antenna connector: 1 x RP-SMA

See website for complete specifications.
See page 117 for antennas.

Digi Connect ME® Family :: Wired & Wireless Embedded Modules

Power and Device Interface Connector Pin Assignments

:: Product

PIN #	Signal
1	VETH+
2	VETH-
3-6	—
7	RXD
8	TXD
9	RTS/GPIO 4
10	DTR/GPIO 5
11	CTS/GPIO 2
12	DSR/GPIO 3
13	DCD/GPIO 1
14	RESET
15	+3.3V
16	GND
17-19	—
20	/INIT

Digi Connect ME
Digi Connect Wi-ME

Part Numbers ::

Worldwide

Model

Digi Connect ME Integration Kit*

DC-ME-01T-KT

Digi Connect ME Development Kit (GNU)**

DC-ME-01T-GN

Modules with Plug-and-Play Firmware

Digi Connect ME-S (single-unit pack)

DC-ME-01T-S

Modules for Custom Applications

Digi Connect ME-C (single-unit pack)

DC-ME-01T-C

Modules with Plug-and-Play Firmware

Digi Connect Wi-ME-S (single-unit pack with antenna)

DC-WME-01T-S

Modules for Custom Applications

Digi Connect Wi-ME-C (single-unit pack with antenna)

DC-WME-01T-C

* Includes module w/plug-and-play firmware, development board, documentation, integration CD, cables and power supply.

** Includes module w/JTAG interface, development board, hardware debugger, NET+Works platform CD, documentation, cables and power supplies. Module installation and setup support. Additional support options available.

Single-unit and bulk packs include modules only. Please order Integration Kits/Development Kits for product evaluation and development purposes.

Modules for custom applications are designed for deployment of embedded software solutions developed using the NET+Works Development Kits.

Development Kits without hardware debugger also available. Contact us for details.

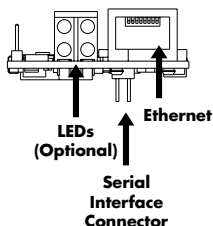
Digi Connect® EM Family :: Wired and Wireless Embedded Modules

Overview :: Digi Connect EM and Digi Connect Wi-EM are pin-compatible, interchangeable embedded modules that deliver cost-effective and easy-to-implement wired and wireless Ethernet network connectivity. These board-mount modules feature pin-headers for a variety of connector options and an SPI port, as well as a lower profile, higher data rate and more Flash memory than the Digi Connect ME family. Easily web- and network-enable any electronic device with these flexible embedded modules.

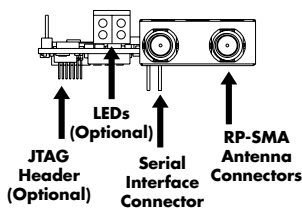
+ Features ::

- Interchangeable and pin-compatible single-component solution based on 32-bit NET+ARM processor
- Two high-speed TTL serial interfaces with up to 230 Kbps throughput
- High-speed SPI port
- Wireless Ethernet network interface
 - 802.11b network interface with data rates up to 11 Mbps
 - 802.11i (WPA/WPA2) and WEP encryption
 - Dual diversity antenna setup for maximum signal strength
 - FCC module approval improves time-to-market
- 10/100Base-T wired Ethernet network interface
- Population options for additional design flexibility
- Low power consumption and industrial temperature range
- Strong SSL/TLS encryption for security sensitive environments (NIST FIPS-certified)
- Plug-and-play Integration Kit models eliminate embedded software development effort (Digi Connect EM-S, Digi Connect Wi-EM-S)
- Development Kit models built on easy-to-use and royalty-free NET+Works® platform for custom application development (Digi Connect EM-C, Digi Connect Wi-EM-C)
- Class B certified
- 5-year warranty

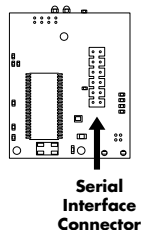
Digi Connect EM



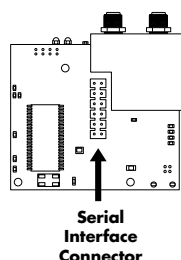
Digi Connect Wi-EM



Digi Connect EM - Bottom



Digi Connect Wi-EM - Bottom



+

+



+

+

+ Specifications ::

Hardware

- 32-bit NET+ARM high-performance RISC processor (NS7520 @ 55 MHz)
- On-board memory: 4 MB Flash and 8 MB RAM
- On-board power supervisor
- 2 high-speed TTL serial interfaces
 - Throughput up to 230 Kbps
 - Full signal support for TXD, RXD, RTS, CTS, DTR, DSR and DCD on port 1
 - TXD/RXD signals support on port 2
 - Hardware and software flow control
- SPI port option
- 9 shared General Purpose Input/Output (GPIO) ports
- Wave-solderable design (no clean flux process)
- LEDs for link integrity, diagnostic, serial activity and network activity
- Operating temperature
 - Digi Connect EM: -40° C to +85° C (-40° F to +185° F)
 - Digi Connect Wi-EM: -20° C to +85° C (-4° F to +185° F)
- 2.4 MHz RP-SMA dipole antenna included (Digi Connect Wi-EM)

Network Interface

Digi Connect EM

- Standard: IEEE 802.3
- Physical Layer 10/100Base-T
- Data rate: 10/100Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)
- Connector RJ-45 or pin-header

Digi Connect Wi-EM

- Standard: IEEE 802.11 b
- Frequency: 2.4 GHz
- Data rate: Up to 11 Mbps with automatic fallback
- Modulation: CCK (11/5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
- Transmit power: 16 dBm typical
- Receive sensitivity: -82 dBm @ 11 Mbps
- Antenna connector: 2 x RP-SMA

See website for complete specifications.

See page 117 for antennas.

Digi Connect® EM Family :: Wired and Wireless Embedded Modules

Power and Serial Interface Connector Pin Assignments

:: Product

PIN #	Signal
1	+3.3V
2	GND
3	RXD/GPIO-7
4	TXD/GPIO-6
5	RTS/GPIO-4/SPI_CLK
6	DTR/GPIO-5
7	CTS/GPIO-2
8	DCD/GPIO-1/SPI_EN
9	DSR/GPIO-3
10	/RST
11	RXD/GPIO-9
12	TXD/GPIO-8

Digi Connect EM
Digi Connect Wi-EM

Part Numbers ::

Worldwide

Model

Digi Connect EM Integration Kit*

DC-EM-02T-KT

Digi Connect EM Development Kit (GNU)**

DC-EM-02T-GN

Modules with Plug-and-Play Firmware

Digi Connect EM-S w/LED Array and RJ-45 Connector (single-unit pack)

DC-EM-02T-S

Modules for Custom Applications

Digi Connect EM-C w/LED Array and RJ-45 Connector (single-unit pack)

DC-EM-02T-C

Digi Connect EM-C w/Pin Headers (single-unit pack)

DC-EM-02T-NC

Modules with Plug-and-Play Firmware

Digi Connect Wi-EM-S w/LED Array (single-unit pack w/o antennas)

DC-WEM-02T-S

Modules for Custom Applications

Digi Connect Wi-EM-C w/LED Array (single-unit pack w/o antennas)

DC-WEM-02T-C

Digi Connect Wi-EM-C w/Pin Headers (single-unit pack w/o antennas)

DC-WEM-02T-NC

See page 117 for accessories including antennas and extension cords. Bulk packs and customer-specific packaging for individual units available. Population options available. Please visit our website for a complete list of part numbers, including Development Kits without hardware debugger.

* Includes module w/plugin-and-play firmware, development board, documentation, integration CD, cables and power supply.

** Includes module w/JTAG interface, development board, hardware debugger, NET+Works platform CD, documentation, cables and power supplies. Module installation and setup support. Additional support options available.

Single-unit and bulk packs include modules only. Please order Integration Kits/Development Kits for product evaluation and development purposes.

Modules for custom applications are designed for deployment of embedded software solutions developed using the NET+Works Development Kits.

+



+

Overview :: The ConnectCore 9C is a powerful ARM9-based core module that enables OEMs to design in core processing functionality and networking capabilities with a single, high-performance solution. It delivers complete embedded network connectivity along with additional bandwidth to handle sophisticated embedded applications including building automation systems, POS systems, RFID readers, medical devices, instrumentation, networked displays, transportation systems, industrial automation systems and many more.

+

+

+ Features ::

- Powerful ARM9 core module provides core processing and network connectivity in a single solution
- Based on powerful 32-bit NS9360 processor
 - ARM926EJ-S RISC core with DSP/Jazelle enhancements
- Compact SO-DIMM design
- Low power consumption
- Sleep mode power management
- Industrial operating temperature
- 4 MB Flash, 16 MB RAM integrated
- 10/100 Mbit Ethernet interface with on-board RJ-45 connector
- 802.3af compliant power passthrough (mid-span and end-span)
- Up to four high-speed serial ports
- UART and SPI mode configurable
- I²C bus interface
- USB 1.1/2.0 compliant host/device
- On-board host connector option
- Integrated LCD controller
- Supports 18-bit active matrix TFT or single/dual panel STN displays (color/monochrome)
- Population options available
 - Processor, memory, connectors

+ Specifications ::

Hardware

- Compact SO-DIMM module design w/industrial operating temperature range
- 32-bit NS9360 high-performance RISC processor (155 MHz) w/MMU
- On-board memory
 - 4 MB Flash and 16 MB RAM
- Up to 4 high-speed TTL async serial ports
 - Data rates up to 921 Kbps
- Up to 4 SPI ports
- I²C v1.0 bus interface
- USB 1.1/2.0 host and device interface
- Integrated LCD controller
- General Purpose Timers/Counters/PWM
- 4 programmable external interrupts
- Up to 55 shared General Purpose Input/Output (GPIO) ports
- JTAG debug header
- Population options available
 - Processor speed grades
 - On-board memory
 - Network/USB connectors

Network Interface

- Standard: IEEE 802.3
- Physical Layer: 10/100Base-T
- Data rate: 10/100 Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)
- On-board connector: RJ-45 w/ magnetics and link/activity LEDs
- 802.3af power pass-through (mid-span and end-span)

Part Numbers ::

Worldwide

Model

Custom Application

ConnectCore 9C Development Kit w/Hardware Debugger

CC-9C-GN

ConnectCore 9C Module w/Ethernet Connector

CC-9C-V212

ConnectCore 9C Development Kit w/Software Debugger Only

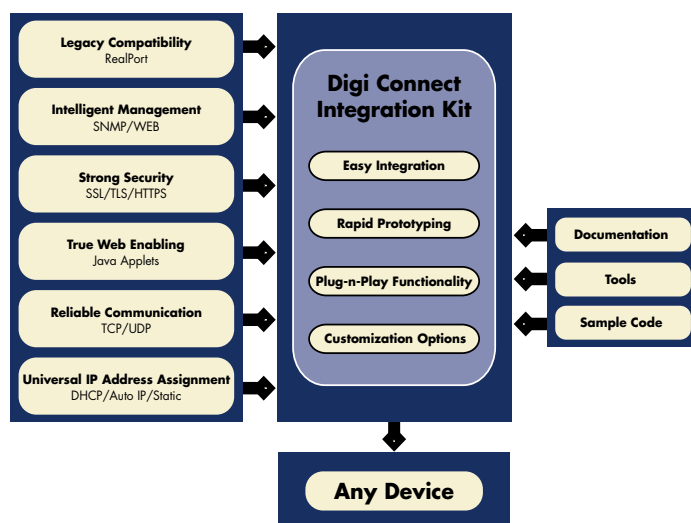
CC-9C-GN-NR

Bulk packs and customer-specific packaging configurations available.

Digi Connect® Integration Kits :: Plug-and-Play Firmware

Overview :: Digi Connect Integration Kits enable you to take advantage of embedded device server technology, without extensive hardware and software development. They offer all the tools, sample code and documentation you need to make product integration and web-based product customization possible. They provide a platform for evaluation, rapid prototyping and integration of Digi Connect embedded modules, dramatically reducing time-to-market.

Based on the Digi plug-and-play firmware available on the Digi Connect “-S” modules, our Integration Kits deliver instant and completely transparent wired and wireless device server networking functionality, with the flexibility of web-based customization options. Unique and industry-leading features such as a robust TCP/IP stack, universal IP address assignment, integrated web server with user file system, fully customizable web user interface, custom Java applet support, enhanced security with strong DES/3DES/AES encryption based on the SSL/TLS standard, intelligent device management via SNMP, and patented RealPort® COM/TTY port redirection make it an ideal solution for any application that requires versatility and performance.



+ Features ::

- Robust on-board TCP/IP stack with built-in web server
 - TCP, UDP, DHCP, SNMP, SSL/TLS, Telnet, Rlogin, RFC 2217, LPD, HTTP/HTTPS, SMTP, ICMP, IGMP, ARP
- Universal IP address assignment
 - Static IP, DHCP, Auto-IP
- Secure web-based configuration (HTTP/HTTPS) with context-sensitive online help
- Pre-defined and custom device profiles
- Customizable web browser interface with optional Java applet support
 - File system w/512 kb user space
- Telnet command line interface
- Modem emulation
- Serial configuration interface
 - Command line, RCI
- User-defined network service/port configuration
 - HTTP/HTTPS, Telnet, Rlogin, ADDP, SNMP, RealPort, SSL/TLS, TCP/UDP
- TCP/UDP forwarding characteristics
 - Bytes, Idle Time, Data Pattern
- User-configurable TCP/UDP Socket ID
- Event notification via email/SNMP traps
 - GPIO Status, Data Pattern
- Port logging
- Intelligent SNMP device management
 - RFC 1213/1215/1316/1317
- Strong SSL/TLS based encryption
 - DES (56-bit), 3DES (168-bit), AES (128/256-bit)
- Patented RealPort COM/TTY port redirection with encryption for Microsoft Windows, UNIX and Linux environments

Part Numbers ::

Worldwide

Model

Digi Connect ME Integration Kit	DC-ME-01T-KT
Digi Connect Wi-ME Integration Kit	DC-WME-01T-KT
Digi Connect EM Integration Kit	DC-EM-02T-KT
Digi Connect Wi-EM Integration Kit	DC-WEM-02T-KT

Bulk packs and customer-specific packaging configurations available.
Please visit our website for a complete list of available part numbers.

Digi Connect® Development Kits :: Based on NET+ Works® 6.x



Overview :: Based on the NetSilicon NET+Works 6.x development platform, Digi Connect Development Kits enable you to easily and cost-effectively integrate custom network connectivity into your products with Digi Connect embedded modules. Now you can implement and deploy application-specific and future-proof embedded software solutions for wired and wireless network environments, without the additional complexities of traditional hardware design efforts.

Digi Connect Development Kits deliver a complete out-of-the-box solution for embedded software development. They include all the integrated building blocks that are required to quickly and cost-effectively create secure and fully network-enabled product solutions, including a full suite of development tools, a development board, cables, power supply, hardware debugger, royalty-free Run-Time environment and a complete set of networking protocols and applications software.

Since the Digi Connect embedded modules and Development Kits are based on the common NetSilicon development platform, design risk is minimized and the overall embedded software development process is accelerated. This unique offering provides a seamless migration path to a fully integrated system-on-chip solution using NetSilicon's award-winning family of network-enabled NET+ARM processors.

Digi Connect Development Kits support custom application development for all wired and wireless Digi Connect “-C” models.

+ Features ::

- Development board
- Digi Connect embedded module or external device server w/JTAG
- Macgraigor Raven JTAG debugger
- Microcross GNU X-Tools with command line and visual GDB debugger
- ThreadX Real-Time OS with picokernel™ architecture
 - Requires less than 25kB kernel code space
- Fusion™ TCP/IP stack with full networking protocol and extended network services support
 - TCP, UDP, ICMP, IGMP, DNS, SNMPv2, LDAP, POP, SMTP, PPP, FTP, SNTp, Telnet, FastIP, Fast Sockets, Multi-Homing
- Universal IP address assignment through Address Configuration Executive (ACE)
 - Static IP, DHCP, BOOTP, Auto-IP
- Allegro Software Embedded Web Server
- SSL 3.0/TLS 1.0 with strong encryption
 - DES, 3DES, AES
- Flexible and robust file system with wear leveling
- SMICng MIB compiler
- Micro XML SAX parser
- Additional utilities
 - HTML-to-C compiler
 - Flash download
 - Sample code
- Documentation
 - Hardware reference manual
 - Programmer's guide
 - API reference
 - Advanced web server tool kit

Part Numbers ::

Worldwide

Model

Digi Connect ME Development Kit (GNU)*	DC-ME-01T-GN
Digi Connect Wi-ME Development Kit (GNU)**	DC-WME-01T-GN
Digi Connect EM Development Kit (GNU)*	DC-EM-02T-GN
Digi Connect Wi-EM Development Kit (GNU)**	DC-WEM-02T-GN
ConnectCore 9C Development Kit w/Hardware Debugger	CC-9C-GN
Digi Connect SP Development Kit (GNU)	DC-SP-01-GN
Digi Connect Wi-SP Development Kit (GNU)	DC-WSP-01-GN

* Includes module w/JTAG interface, development board, hardware debugger, NET+Works platform CD, documentation, cables and power supplies.

** Includes module w/JTAG interface, two dipole antennas w/extension cords, development board, hardware debugger, NET+Works platform CD, documentation, cables and power supplies.

NET+Works® 6.x :: Development Tools & Networking Software

Overview :: NET+Works is a complete development environment for network enabling embedded devices. It is specifically optimized for the NetSilicon family of 32-bit NET+ARM microprocessors and Digi Connect® modules. It includes device networking run-time software based on the ThreadX Real-Time Operating System, development tools, a development board and a JTAG debugger in an easy-to-use, integrated solution – all royalty-free.

+

+

+

+



+ Features ::

- Includes your choice of the high performance Green Hills MULTI Integrated Development Environment or the Microcross GNU tools
- Includes a full Board Support Package and development board for your chosen NET+ARM processor
- Choice of software and hardware JTAG tools: EPI MAJIC, Macraigor Raven or soft debugger
- Includes the lightweight ThreadX Real-Time Operating System from Express Logic along with a TCP/IP stack, and extensive device networking protocol applications (Webserver, email, FTP, Telnet, SNMP, etc.)
- Includes sample applications and full documentation with extensive online APIs and complete networking documentation

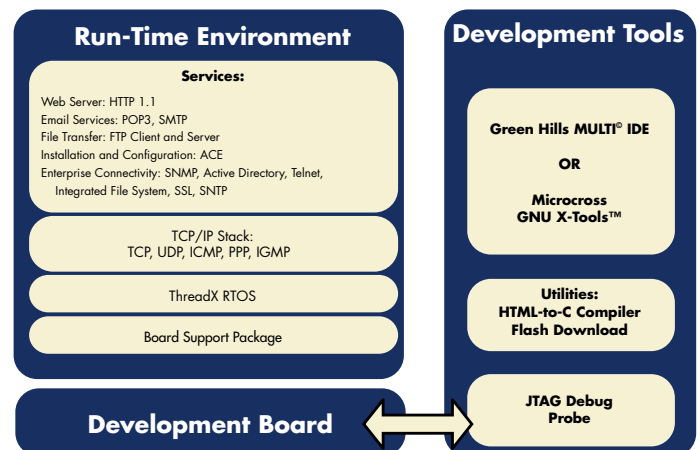
See Digi Connect ME® family, Digi Connect EM family and ConnectCore™ 9C for part numbers.

How Do I Get Started?

NET+Works provides a comprehensive tool set across all NetSilicon hardware platforms. Get started by selecting your hardware platform. As part of the tools, we offer a choice of:

- GHS MULTI® or Microcross GNU X-Tools™ compilers
- EPI MAJIC™, Macraigor RAVEN or soft debuggers
- Services such as design reviews, software maintenance and application engineering

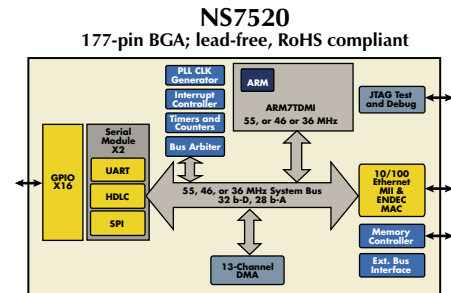
In addition we provide a broad array of third party products and services including Linux, Windows CE, Java, modules and authorized developers.



NET+ARM Microprocessors :: System-on-Chip Solutions

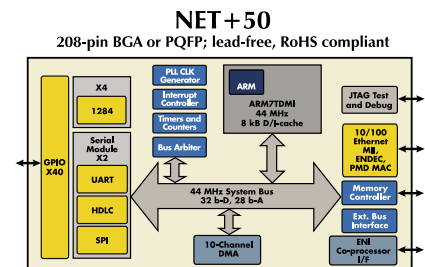
NS7520 :: The NS7520 is a low-cost, easy to integrate, 32-bit network-attached processor specifically designed for connecting serial devices to IP networks. Features include:

- Low-cost 32-bit ARM7-based processor provides all interfaces necessary to easily connect serial devices to a network
- 33-55 MHz ARM7 TDMI CPU
- Offers glueless interfaces to 10/100Base-T Ethernet, UART, SPI serial ports and GPIO
- Supported by the comprehensive, integrated and royalty-free NET+Works® development suite



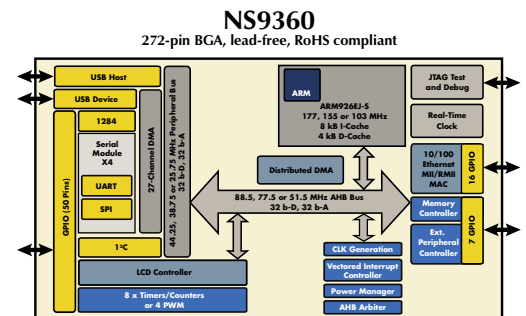
NET+50 :: The NET+50 is a processor developed especially for print servers. Features include:

- Specialized ARM7-based processor for use in developing networked print servers
- 44 MHz ARM7 TDMI CPU with 8 kB cache
- Provides glueless interfaces to UART, SPI serial ports and GPIO combined with four IEEE 1284 host ports and a co-processor interface
- Supported by the comprehensive, integrated and royalty-free NET+Works development suite



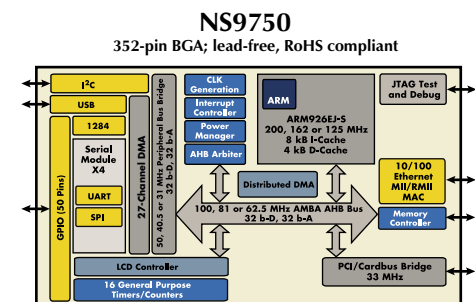
NS9360 :: The NS9360 is a highly integrated 32-bit network-attached processor specifically designed for use where price, performance and a rich set of peripherals are important. Features include:

- High performance ARM9-based processor provides compute bandwidth for demanding embedded device networking applications
- 103-177 MHz ARM926EJ CPU with MMU and 8 kB/4 kB instruction/data cache
- High level of peripheral integration provides glueless interfaces to a rich set of industry standard devices: 10/100Base-T Ethernet, USBd, USBh, LCD, 4xUART/SPI, I²C, IEEE 1284, serial ports and GPIO.
- Supported by the comprehensive, integrated and royalty-free NET+Works development suite



NS9750 :: The NS9750 is a highly integrated 32-bit network-attached processor specifically designed for use in intelligent networked devices and Internet appliances where performance, price and a rich set of peripherals including CardBus and PCI are needed. Features include:

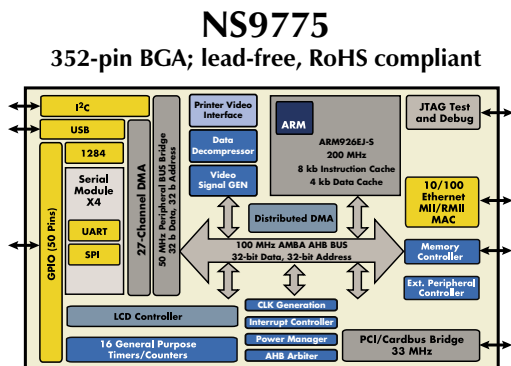
- High performance ARM9 32-bit processor provides compute bandwidth for the most demanding embedded device networking applications
- 125-200 MHz ARM926EJ processor with 8 kB/4 kB instruction/data cache and MMU
- High level of peripheral integration provides glueless interfaces to a rich set of industry standard devices: USB, PCI or CardBus, I²C, IEEE 1284, serial ports, a high performance LCD controller and GPIO
- Supported by the comprehensive, integrated and royalty-free NET+Works development suite



NET+ARM Microprocessors :: System-on-Chip Solutions

NS9775 :: The NS9775 is a highly integrated processor specially designed for color laser printers. Features include:

- High performance 32-bit processor provides networking and decompression bandwidth for raster printer applications
- ARM926EJ processor with 8 kB/4 kB instruction/data cache and MMU
- High level of peripheral integration provides glueless interfaces to a rich set of industry standard devices: USB, PCI or CardBus, I²C, IEEE 1284, serial ports, a high performance LCD controller and GPIO
- Supported by the comprehensive, integrated and royalty-free NET+Works® development suite



Part Numbers ::

Worldwide

Model

NS7520

36 MHz, 0° C to 70° C

NS7520B-1-C36

46 Mhz, -40° C to +85° C

NS7520B-1-I46

55 MHz, 0° C to 70° C

NS7520B-1-C55

55 MHz, -40° C to +85° C

NS7520B-1-I55

NET+50

For NET+OS Operating System (BGA)

NET+50-BIT

For NET+OS Operating System (PQFP)

NET+50-QIT-3

With pSOS License (BGA)

NET+50-BINP

With pSOS License (PQFP)

NET+50-QINP-3

For No Operating System (BGA)

NET+50-BIN

For No Operating System (PQFP)

NET+50-QIN-3

NS9360

103 MHz, 0° C to 70° C

NS9360B-0-C103

155 MHz, -40° C to +85° C

NS9360B-0-I155

177 MHz, 0° C to 70° C

NS9360B-0-C177

NS9750

125 MHz, 0° C to 70° C

NS9750B-0-C125

162 MHz, -40° C to +85° C

NS9750B-0-I162

200 MHz, 0° C to 70° C

NS9750B-0-C200

NS9775

125 MHz, 0° C to 70° C

NS9750B-0-C125

162 MHz, -40° C to +85° C

NS9750B-0-I162

200 MHz, 0° C to 70° C

NS9750B-0-C200

Note: OS versions contain paid fees for the run-time license.
All at 44 MHz and -40° C to +85° C operation.

Console Management

Intelligent Console Servers and Power Management

When a network collapses, productivity and profits also fall, generating a serious impact on a company's bottom line. The longer the network is down, the greater the consequences. Console management enables immediate response in critical situations and eliminates costly travel to remote sites. Console management is a powerful and efficient enhancement to your network management system.

With ever-expanding network infrastructures, the challenge of maintenance becomes even more difficult. Having a terminal connected to the console of every networked device is no longer practical with the proliferation of remote locations. Console management solves this problem, providing secure access to every device through the corporate intranet, over the Internet, or through a dial-up connection.

Digi provides a complete family of intelligent, secure and easy console management products to address local and remote data center requirements, including Digi CM™ console servers and Digi Remote Power Manager. These products, coupled with Digi's strong technical support, 24/7 service agreement options and five-year warranty, make console management a cost-effective and reliable solution to maximize network profitability. You will enjoy the simplicity of connecting servers to Digi CM using straight-through CAT5 cabling along with our converter cables/adapters.

Digi CM: Intelligent. Secure. Easy.

What do you need to do?

- + Monitor and control IT equipment such as Sun servers, Cisco routers, network switches, intelligent power supplies and telephone switches through industry standard serial console ports **Digi CM**
- + Securely access any mix of network devices via standard TCP/IP connections over Ethernet LANs or dial-up modem connections **Digi CM**
- + Maintain logs of all activity on servers and network equipment to comply with current and future regulations and policies, such as Sarbanes-Oxley **Digi CM**
- + Maximize server uptime, increase IT efficiency and improve your bottom line..... **Digi CM**
- + Remotely power on/off devices **Digi RPM**
- + Configure alarms for 24/7 "real time" notification of out-of-spec conditions including load and ambient temperature..... **Digi RPM**

Visit our website to download our
Console Management Solution Guide
www.digi.com/products/literature

www.digi.com/digicm

+ Console Management – Intelligent Console Servers and Power Management

Console Servers

- Digi CM™..... pg. 54

Power Management

- Digi Remote Power Manager (Digi RPM)..... pg. 56

Management Tools/Special Features

- Automatic Device Recognition..... pg. 57

* For simple serial connections in the server room, please see the PortServer® TS 8/16 family of terminal servers, page 21.

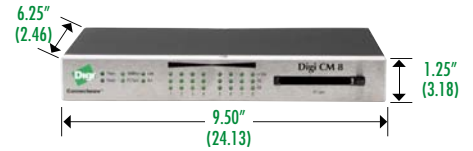


Test drive a real Digi CM using our online demo.

www.digi.com/cmdemo

		Digi CM 8	Digi CM 16	Digi CM 32	Digi CM 48
Digi CM Hardware Features	Serial Console Ports	8	16	32	48
	Serial Type	RS-232	RS-232	RS-232	RS-232
	Serial Connector	RJ-45	RJ-45	RJ-45	RJ-45
	Ethernet Ports	1	1	1	1
	10/100 Mbps	•	•	•	•
	PC Card	•	•	•	•
	100/240VAC	•	•	•	•
	48VDC Option	•	•	•	•
	Dual AC Version				•
	Rack Mount	1U	1U	1U	1U
Digi CM Firmware Features	SSH v2	•	•	•	•
	Radius	•	•	•	•
	Secure Sockets Layer (SSL)	•	•	•	•
	Sun Break-Safe	•	•	•	•
	IP Filtering	•	•	•	•
	Secure Clustering	•	•	•	•
	HTTPS	•	•	•	•
	Port Alert Email	•	•	•	•
	SNMP	•	•	•	•
	Individual Access Per Port	•	•	•	•
	Automatic Device Recognition	•	•	•	•
	Embedded Linux	•	•	•	•

Digi CM 8



1U - rack mountable

Digi CM 16



1U - rack mountable

Digi CM 32



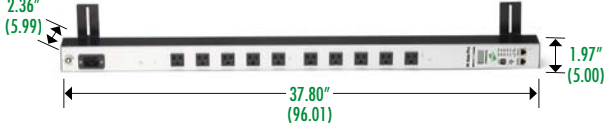
1U - rack mountable

Digi CM 48



1U - rack mountable

Measurements: inch
(cm)

Digi RPM Hardware Features			Digi RPM	
Power Outlets	8/10		Digi RPM 8  1U - rack mountable Digi RPM 10  0U - rack mountable	
120VAC Models	•			
240VAC Models	•			
Serial Ports	2			
Serial Type	RS-232			
Serial Connector	RJ-45			
Rack Mount	0U and 1U			
Amps	16			
Terminal Server Integration	•			
Integrated Web UI	•			
Daisy Chaining	Up to 10 units			
Port Name Assignment	•			
Integrated Temperature Sensor	•			
Temperature/ Load Email and SNMP Alerts	•			
Power Sensor	•			
Adjustable Alarm LED for High Current Alert	•			
Front Panel LCD (Voltage, Current, Power)	•			

Measurements: inch
 (cm)

* One serial port for communications, one serial port for daisy-chaining.

Digi CM™ :: Console Servers

+



+

Overview :: Digi CM is a best of breed console server which provides intelligent, secure and easy access to any network equipment with a serial console port. With Digi CM, administrators can securely monitor and control servers, routers, switches, PBX, firewalls and other network devices from anywhere on the corporate TCP/IP network, over the Internet, or through dial-up modem connections – even when the server is unavailable through the network.

+

+ Features ::

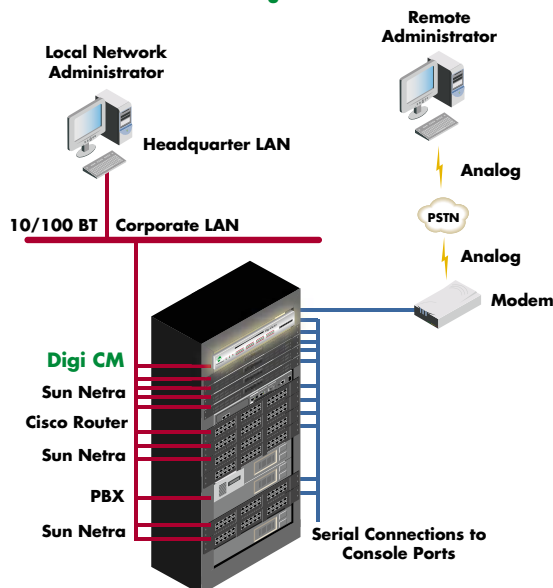
- Sun, Cisco, IBM, HP, UNIX, Linux and Microsoft Windows Server™ 2003 compatible
- SSH v2 for secure access
- 1U 19" rack-mountable for better co-location with network hardware
- Automatic Device Recognition for simple setup and alert notification
- Secure clustering (up to 544 devices) allows multi-server access via one IP address
- Port buffering/logging for troubleshooting and regulatory audits
- Email/pager alerts and SNMP traps
- RADIUS, TACACS+, Kerberos and LDAP for a variety of authentication options
- Straight-through CAT5 cabling for easy server connection
- PC Card slot for Wi-Fi, memory or modem cards
- 24/7 service agreements available
- 5-year warranty

+

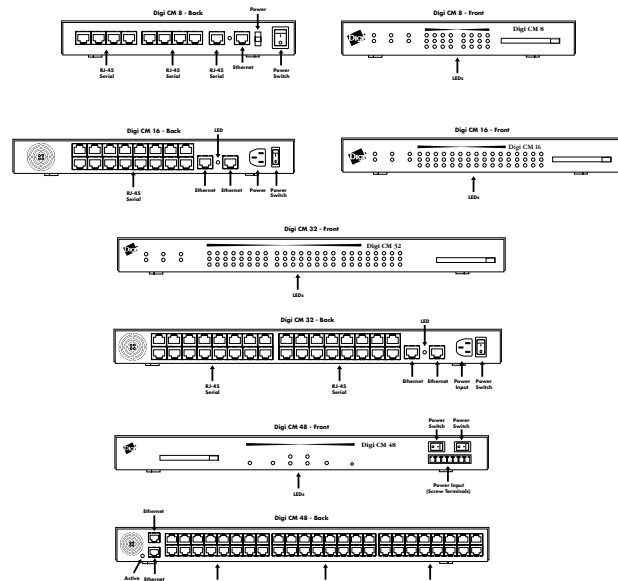
+ Specifications ::

- 8/16/32/48 ports
- Security
 - SSH v2 server and client
 - SSL
 - IP filtering
- Authentication via TACACS+, RADIUS, LDAP, Kerberos, local user database
- Management
 - Command line
 - Web – HTTP/HTTPS
 - SNMP
 - Port triggers and alerts
 - Multi-level menuing
 - Auto-discovery
 - Automatic Device Recognition
- Data capture via port buffering and logging (syslog, NFS, PC Card)
- Port access via Telnet/SSH with menuing, Reverse Telnet/SSH, HTTP/HTTPS
- Multiple users per port (up to 15)
- Flash upgradeable
- SSH sessions simultaneously on all ports
- Secure clustering - single IP for multiple Digi CM devices
- Separate IP address per port

Remote Data Center Management



www.digi.com/cmdemo



Digi CM Monitoring Capabilities

Documenting regulatory compliance is a constant drain on financial and staffing resources. With the advanced auditing, logging and monitoring functions of the Digi CM, it is possible to implement effective security and change-control policies that allow real-time, continual compliance monitoring, while often improving productivity.

Auditing

The Digi CM provides a physical choke-point gateway to all the systems to which it provides access. Whether this is network equipment such as routers and switches, or UNIX or Linux systems, if security policies require privileged system access to occur through the Digi CM, then all changes are logged and documented.

- User management via centralized server (RADIUS, LDAP, TACACS+) or independent user list
- Separated admin and user responsibilities; most users do not need privileged access to the Digi CM
- Customizable user access controls
- Remote Ports capability to provide auditable access to systems, without requiring a physical console connection to them

Logging

Its dual logging capability enables the Digi CM to log all activity simultaneously to two independent

systems. Automatic real-time testing of the logs will uncover any discrepancies without requiring the production system to be offline.

- NFS
- Syslog
- Logging to optional Flash card
- Secure simultaneous multiple read access – allows third party applications to log data on a port
- Log playback option

Notification

In addition to monitoring access to systems, the Digi CM can monitor the state of the systems themselves, sending alerts whenever a cable is unplugged, a system is rebooted, the system is accessed by any user over the network, the port a system is connected to changes, or a system fault occurs. The Digi CM will send independent notification, allowing rapid remediation of any event causing a system to be in a non-compliant state.

- Syslog and SNMP for easy integration into existing NMS
- SMTP for email or SMS notification
- Custom notification allows specification of port, keyword, method, recipient and destination system for each entry



Part Numbers ::

North America International

Model		
Digi CM 8	70001931	70001932
Digi CM 8 - 48VDC	70002034	70002034
Digi CM 16	70001910	70001911
Digi CM 16 - 48VDC	70001938	70001938
Digi CM 32	70001908	70001909
Digi CM 32 - 48VDC	70001937	70001937
Digi CM 48	70001949	70001950
Digi CM 48 - Dual AC	70001951	70001952
Digi CM 48 - 48VDC	70001953	70001953
Cable Adapters		
Digi CM DB-25 Male Modem Adapter (8-pack)	76000670	76000670
Digi CM DB-9 Female Console Adapter (8-pack)	76000671	76000671
Digi CM DB-25 Male Console Adapter (8-pack)	76000672	76000672
Digi CM DB-25 Female Console Adapter (8-pack)	76000673	76000673
Digi CM DB-9 Male Modem Adapter (8-pack)	76000702	76000702
23" Telco Rack Mount Kit	76000689	76000689

All cables and accessories: pg. 111.

Digi RPM :: Power Management

+



+

Overview :: Digi Remote Power Manager (Digi RPM) provides an easy solution for the supervisory control and management of attached electrical devices. When integrated with Digi CM™ or select PortServer® TS solutions, Digi RPM provides an interface for users to configure alarms for 24/7 “real-time” notification of out-of-spec conditions including load and ambient temperature. Administrators can remotely reboot unresponsive servers or shut down unused devices, while also performing console management from a common web browser interface menu.

+

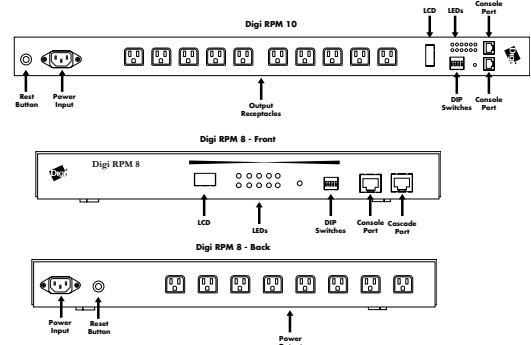
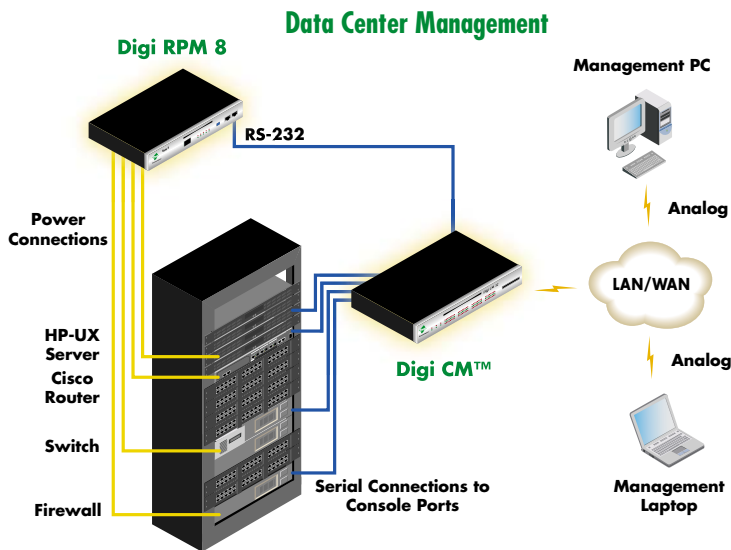
+ Features ::

- Remotely power on/off devices instead of sending a technician to reboot onsite
- Front panel LCD for direct viewing of total current load and power
- Measure electrical load to intercept power overloads before they occur
- Monitor ambient temperature to prevent loss of key assets due to overheating
- Configure alarms to allow 24/7 “real-time” monitoring of critical devices
- Integration with Digi CM provides common interface for console and power management over Ethernet
- Cascading allows daisy-chaining up to ten Digi RPMs to a single Digi CM serial port
- 5-year warranty

+

+ Specifications ::

- 8-port 1U rack-mountable and 10-port 0U rack mountable models
- 120VAC, 16A and 240VAC, 16A models (up to 10A per port)
- Front panel LCD for direct viewing of total current load and power consumption
- 2 RJ-45 serial ports (one for communications, one for daisy-chaining)
- Power sensor (watts)
 - Average/apparent power
 - RMS voltage/current
 - Circuit breaker status
 - Max current
- Integrated temperature sensor measures temperature in the rack environment
- Integrated with user interface of Digi CM and PortServer TS products
- Cascading allows up to 10 Digi RPMs to be daisy-chained to a single Digi CM serial port
- Alarm LED for high current alert (software adjustable)
- Command line interface for direct serial connection
- Ships with cables required to connect to Digi CM, PortServer TS or PC serial port
- One status indicator LED per port for outlet status/alarm indication



Part Numbers ::

North America International

Model

Digi RPM 8 - 1U, 8 outlets, 120VAC, 16A

70002004

Not available

Digi RPM 8 - 1U, 8 outlets, 240VAC, 16A

Not available

70002005

Digi RPM 10 - 0U, 10 outlets, 120VAC, 16A

70002006

Not available

Digi RPM 10 - 0U, 10 outlets, 240VAC, 16A

Not available

70002007

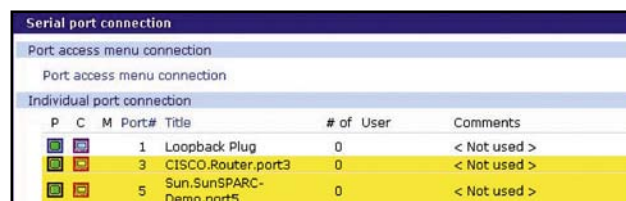
All cables and accessories: pg. 117.

Automatic Device Recognition :: Management Tools/Special Features

Overview :: Digi's Automatic Device Recognition feature is included with all Digi CM solutions. It makes configuration and management of console servers easier by detecting which type of server, router or switch is connected to the unit. By automatically recognizing the device, administrators will reduce errors caused by incorrect cabling and can also reduce network equipment downtime by receiving alerts when devices go off-line.

When a user accidentally unplugs a device, then plugs it back into a different port, major issues can result and identifying the problem can be a big problem. Automatic Device Recognition can detect this type of cable change and the "Port #" and "Title" portions of the web browser interface will be updated to reflect the new location of the device. Automatic Device Recognition is also a time saver at the point of initial configuration and installation, as the installer does not have to remember which server is plugged into which port. This reduces confusion and risk, thus maximizing uptime of console server systems.

Digi CM with Automatic Device Recognition can also monitor each of the serial ports, ensuring that the attached device does not go off-line. For example, if a server attached to a Digi CM via the serial console port went down, Automatic Device Recognition could detect this condition and send out an SNMP trap or email message to notify the administrator for immediate action.



The screenshot shows a web interface titled "Serial port connection". It has two sections: "Port access menu connection" and "Individual port connection". The "Individual port connection" section contains a table with the following data:

P	C	M	Port#	Title	# of	User	Comments
			1	Loopback Plug	0		< Not used >
			3	CISCO.Router.port3	0		< Not used >
			5	Sun.SunSPARC-Demo.port5	0		< Not used >

Ports 3 and 5 were automatically detected using Automatic Device Recognition.

USB Connectivity

Converters, Hubs, Cameras, Sensors and More



Inside Out Networks, a Digi International company, is a leading provider of “out-of-the-box” (external) USB connectivity solutions utilizing Plug and Play technology. Since its inception in 1997 with the launch of the Edgeport/4 USB-to-serial converter, Inside Out Networks’ product offering has evolved to include leading edge solutions such as RealPort® USB (USB Over IP®), USB PlusPower, Bluetooth wireless, environmental monitoring and more.

Because of its reliable performance and ease of use, USB technology has gained popularity in recent years in both consumer and enterprise applications. We focus on the mission-critical enterprise market, solving connectivity challenges in retail/POS, mobile computing, medical and industrial automation. Our solutions have been utilized in thousands of applications worldwide, including self check-out systems, ATMs, emergency vehicles, hospital rooms, warehouses and manufacturing facilities, where failure and downtime simply are not options.

What makes us the Leader in Enterprise USB Connectivity? Customer-driven product development. Complete Windows operating system compatibility, including Windows NT, Windows NT Embedded and Windows CE. Feature-rich product design. An extensive range of USB and wireless solutions. And most importantly, reliable product performance.



What do you need to do?

- + Network-enable and remotely monitor a USB device via TCP/IP **AnywhereUSB**
- + Add serial, parallel or USB ports to a PC, server or notebook, without opening the chassis, reconfiguring or rebooting **Edgeport**
- + Eliminate individual power bricks for USB peripheral devices..... **USB Plus Series**
- + Implement a cost-effective surveillance system with motion detection capabilities **Watchport/V2, Watchport Sentry**
- + Monitor environmental conditions in a kiosk, server room or data center **Watchport Sensors, Watchport Manager**
- + Utilize external V.92 modems for easy dial-up remote access **Rapidport/4**
- + Connect industrial-grade USB peripheral devices to a legacy-free PC **Hubport**
- + Add a thin client without a networking card to the LAN **Wavespeed/LAN**
- + Add Windows NT compatibility to a USB device for large-scale installations **EdgeUSB**

+ USB Connectivity – Converters, Hubs, Cameras, Sensors and More

RealPort® USB (USB Over IP®)

- AnywhereUSB® pg. 65

USB-to-Serial

- Edgeport® pg. 66

USB PlusPower

- USB Plus Series pg. 70

USB Environmental Monitoring

- Watchport®/V2 USB Camera pg. 72
- Watchport® Sensors pg. 73

USB Modem Bank

- Rapidport/4® pg. 74

Industrial USB Hubs

- Hubport® pg. 75

802.11b Wireless LAN

- Wavespeed®/LAN pg. 76

Windows NT Software

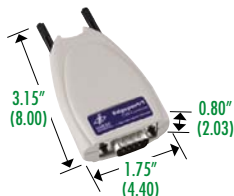
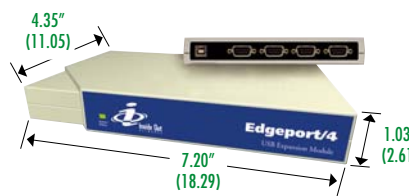
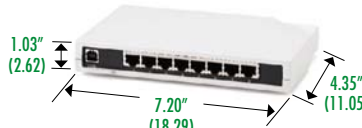
- EdgeUSB pg. 77

Management Tools/Special Features

- RealPort USB (USB Over IP) pg. 78
- Watchport® Manager pg. 78
- Watchport® Motion Detection Software pg. 79

* See page 87 for Wavespeed/S Bluetooth wireless adapters.

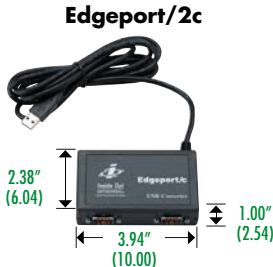
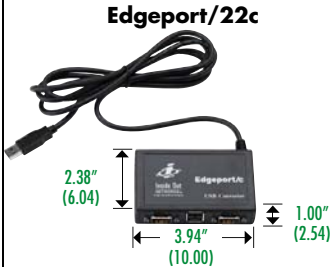
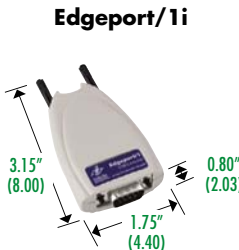
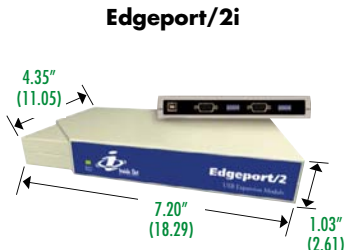
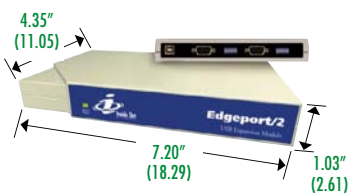
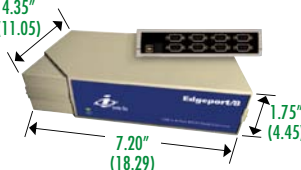
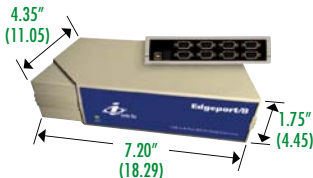
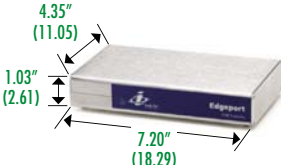
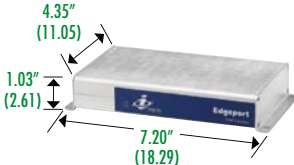
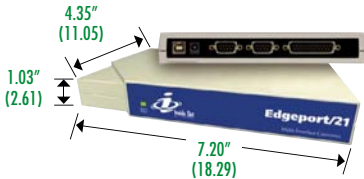
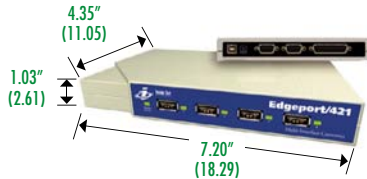
USB Features Chart	Edgeport Standard	Edgeport/1	Edgeport/2	Edgeport/4	Edgeport/4/DB-25	Edgeport/8	Edgeport/8/DB-25	Edgeport/8r	Edgeport/412	Edgeport/412/DB-25	Edgeport/416	Edgeport/416/DB-25
	Serial Ports	1	2	4	4	8	8	8	12	12	16	16
	Serial Type	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232
	Serial Connector	DB-9M	DB-9M	DB-9M	DB-25M	DB-9M	DB-25M	RJ-45	DB-9M	DB-25M	DB-9M	DB-25M
	Downstream USB Ports								4	4	4	4
	Parallel Ports											
	Comments	• 2-meter captive cable version and bulk packs available				• 1U rack-mountable		• 1U rack-mountable	• 1U rack-mountable	• 1U rack-mountable	• 1U rack-mountable	• 1U rack-mountable

Edgeport Standard	Edgeport/1	Edgeport/2		Edgeport/4		
						
	Edgeport/4/DB-25		Edgeport/8			
						
	Edgeport/8/DB-25		Edgeport/8r		Edgeport/412	
						
	1U - rack mountable				1U - rack mountable	
	Edgeport/412/DB-25		Edgeport/416		Edgeport/416/DB-25	
						
1U - rack mountable		1U - rack mountable		1U - rack mountable		

Measurements: inch
(cm)

* 8.63" (21.92 cm) w/optional power supply tray
** 19.00" (48.26 cm) w/optional rack mount ears

Edgeport Compact		Edgeport Industrial		Edgeport Multi-Interface									
Edgeport/2c	Edgeport/22c	Edgeport/1i	Edgeport/2i	Edgeport/2+2i	Edgeport/4i	Edgeport/4s MEI	Edgeport/8s MEI	Edgeport/8i	Edgeport/2m	Edgeport/4m	Edgeport/8im	Edgeport/21	Edgeport/421
2	2	1	2	4	4	4	8	8	2	4	8	2	2
RS-232	RS-232	RS-422/485	RS-422/485	RS-232 x 2 RS-422 x 2	RS-422	RS-232/422/485	RS-232/422/485	RS-422	RS-232	RS-232	RS-422	RS-232	RS-232
DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M
	2												4
												1	1
• 2-meter captive cable • Compact form factor	• 2-meter captive cable • Compact form factor					• Software selectable	• Software selectable		• Rugged aluminum chassis • Detachable mounting brackets	• Rugged aluminum chassis • Detachable mounting brackets	• Rugged aluminum chassis • Detachable mounting brackets		

Edgeport Compact	Edgeport/2c 	Edgeport/22c 	Edgeport Industrial	Edgeport/1i 	Edgeport/2i 
	Edgeport/2 +2i 	Edgeport/4i 		Edgeport/4s MEI 	Edgeport/8i 
Edgeport Industrial	Edgeport/8s MEI 	Edgeport Metal	Edgeport/2m 	Edgeport/4m 	Edgeport/8im 
	Edgeport/21 		Edgeport/421 		
Edgeport Multi-Interface					

Measurements: inch
(cm)

Edgeport ships with 1-meter detachable USB cable unless otherwise noted.



USB Features Chart		USB Plus Series	Hubport/PCI+	Hubport/PCI+ LP	Hubport/4+	Hubport/4c+	Edgeport/42+
	Ports		4 USB PlusPower	1/3 USB PlusPower	4 USB PlusPower	4 USB PlusPower	4 USB PlusPower, 2 RS-232 serial DB-9M
	Comments		1 @ 24V 3 @ 12V - Internally and externally powered models - Full-sized PCI	1 @ 24V (1-port version) 3 @ 12V (3-port version) - Low profile PCI	1 @ 24V 3 @ 12V - Externally powered	1 @ 24V 3 @ 12V - Externally powered - Compact form factor 10.0" (25 cm) captive cable	1 @ 24V 3 @ 12V - Externally powered
		Environmental Monitoring	Watchport/T	Watchport/W	802.11b Wireless LAN	Wavespeed/LAN	
	Ports		N/A	N/A		N/A	
	Comments	- Temperature sensor - Watchport Manager software included	- Water detector - Watchport Manager software included			USB to 802.11b wireless Ethernet adapter	

USB PlusPower	Hubport/PCI+	Hubport/PCI+ Low Profile	Hubport/4+
Wireless	Hubport/4c+	Edgeport/42+	AnywhereUSB/5
	Wavespeed/LAN Dimensions without stand are: Length: 4.31" (10.95) Width: 1.06" (2.69) Height: 4.50" (11.43) 	USB Over IP	

Measurements: inch
 (cm)

Environmental Monitoring	Watchport/V2	Watchport/P	Watchport/D	Watchport/A	Watchport/H
	N/A	N/A	N/A	N/A	N/A
	• USB camera • Watchport Manager software included • Motion detection software available • Optional lens pack	• Proximity sensor • Watchport Manager software included	• Distance sensor • Watchport Manager software included	• Accelerometer/Tilt sensor • Watchport Manager software included	• Humidity and temperature sensor • Watchport Manager software included

USB Over IP	AnywhereUSB/5	USB RAS	Rapidport/4	Industrial USB Hubs	Hubport/4	Hubport/7
5 USB 10/100Base-T Ethernet		4 V.92 modems, RJ-11 1 downstream USB		4 downstream USB, 1 upstream USB	7 downstream USB, 1 upstream USB	
• Connects to LAN via RJ-45 Ethernet		• On-board USB hub • Dual unit packaging available		• Models available with variable DC input power from 10-26 volts • USB 1.1	• Locking power connector • Available with variable DC input power from 10-26 volts • USB 1.1	

Environmental Monitoring	Watchport/V2 3.50" (8.88) 2.50" (6.35) 1.50" (3.81)	Watchport/P 3.15" (8.00) 1.75" (4.45) 0.80" (2.03) 0.80" (2.03) 3.15" (8.00)	
	Watchport/D 3.15" (8.00) 0.80" (2.03) 1.75" (4.45) 0.74" (1.88)	Watchport/A/H/T/W 3.15" (8.00) 0.80" (2.03) 0.74" (1.88) 1.19" (3.02) 2.12" (5.38)	
USB Modem Bank	Rapidport/4 4.35" (11.05) 7.20" (18.29) 1.03" (2.61)	Industrial USB Hubs	
	Hubport/4 4.35" (11.05) 7.20" (18.29) 1.03" (2.61)	Hubport/7 4.35" (11.05) 7.20" (18.29) 1.03" (2.61)	

Measurements: inch (cm)

*See USB Plus Series for Edgeport with powered USB ports.



	Windows Server 2003	Windows XP, XP Embedded	Windows NT, Windows NT Embedded*	Windows 2000/ME	Windows 98/95	Windows CE	Linux	Sun Solaris**
Edgeport	•	•	•	•	•	•	•	•
USB Plus Series	•	•	•	•	•	•		
AnywhereUSB	•	•	•	•				
Watchport/V2 USB Camera	•	•	•	•				
Watchport Sensors	•	•	•	•	•	•		
Wavespeed/LAN	•	•	•	•	•			
Rapidport/4	•	•	•	•	•	•	•	
Hubport	•	•	•	•	•	•	•	•

* Our Windows NT drivers enable our solutions to work on Windows NT systems. They do not transfer Windows NT compatibility to the attached USB peripheral devices

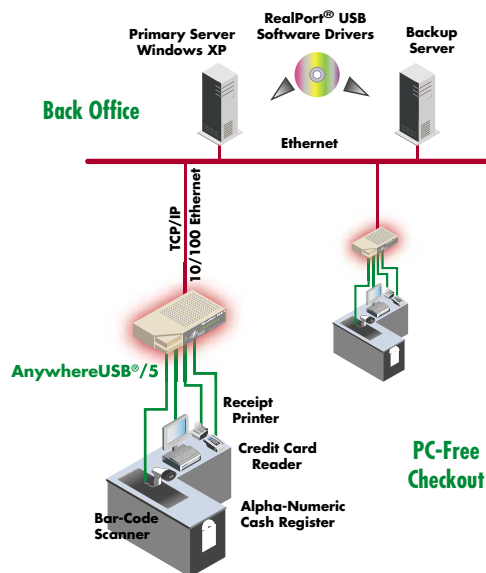
** Solaris driver (X86 only) supported by Sun Microsystems.

AnywhereUSB® :: RealPort® USB (USB Over IP®)

Overview :: AnywhereUSB is a network-enabled USB hub. It utilizes patented RealPort USB technology to connect USB devices anywhere on a TCP/IP network, without a locally attached host PC. This means you are no longer bound by the 16-foot USB cabling distance limitation. AnywhereUSB/5 offers five USB ports to connect bulk or interrupt type peripheral devices such as bar-code scanners and receipt printers, as well as our Watchport®/V2 USB camera and Watchport® sensors. AnywhereUSB is ideal for retail/POS and building automation/security applications.

+ Features ::

- Network-enables USB or other POS devices
- Works with Ethernet or wireless IP networks
- Extends USB cabling distance beyond 5 meters
- Works with existing application software, protecting technology investment
- USB ports appear to be locally attached and provide same Plug and Play experience as on-board USB ports
- Access and monitor USB devices over TCP/IP network connection from across the globe
- Windows NT USB stack included
- Allows PC to be remotely located
- Increases security and simplifies operations
- 5-year warranty



+

+



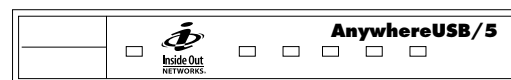
+

+

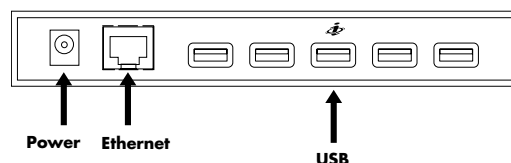
+ Specifications ::

- 10/100Base-T Ethernet with RJ-45 connector
- 5 USB ports
- USB 1.0, 1.1 and 2.0 compatible (USB 2.0 devices operate at 12 Mbps)
- Remote configuration utility
- Field-upgradeable software, firmware
- LEDs for system and device status
- 2 Open Host Controller Interface (OHCI) controllers
- Multiple units supported on a single server
- Compatible with bulk and interrupt type USB devices; isochronous devices not supported at this time
- Compatible with Windows NT/NT Embedded, Windows Server 2003, Windows XP/XP Embedded and Windows 2000/Me

AnywhereUSB/5 - Front



AnywhereUSB/5 - Back



Part Numbers ::

North America International

Model

AnywhereUSB/5 - Ethernet to 5 USB ports

301-1130-01

301-2130-01

All cables and accessories: pg. 112.

Edgeport® :: USB-to-Serial Converters



Overview :: Edgeport USB-to-serial converters offer easy I/O expansion for peripheral device connectivity. An out-of-the-box (external) alternative to PCI cards, Edgeport makes it easy to add serial, USB or parallel ports to a PC, server or thin client in minutes – without opening the chassis, reconfiguring or rebooting the system. For maximum flexibility and scalability, Edgeport is available in multiple configurations including standard, compact, industrial, metal and multi-interface versions.

+ Features ::

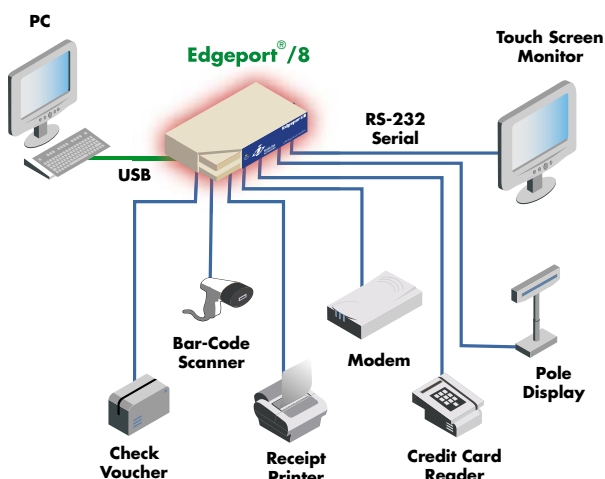
- Add up to 16 serial ports to a PC, thin client or server in minutes
- Unmatched OS support includes Windows NT/NT Embedded, Windows CE, Windows Server 2003, Windows 2000, Windows XP/XP Embedded, Windows 9x, Linux and Sun Solaris
- Multi-interface, software selectable RS-232/422/485 MEI, industrial, compact and metal versions
- Lower total cost of ownership with external, user-installable solution
- Ideal for point-of-sale, mobile computing, industrial automation, medical and more
- USB bus-powered; no power supply required on many models
- 5-year warranty



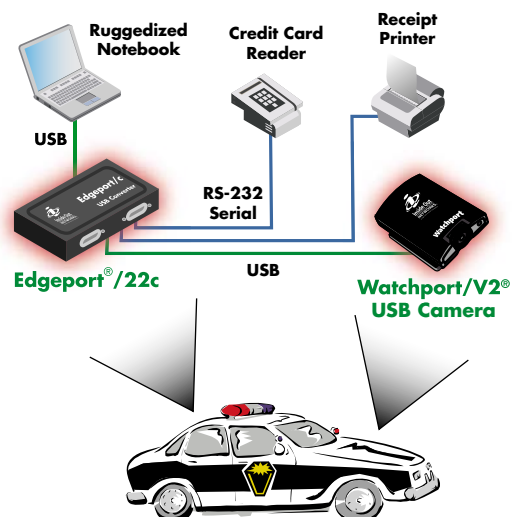
+ Specifications :: All Versions

- USB 1.0 and 1.1 compatible: backwards compatibility for 2.0
- USB-IF certified
- Plug and Play
- Baud rate to 230 Kbps on each serial port simultaneously
- Automatic port reacquisition after disconnect or reboot
- COM port assignments maintained across reboots
- Full hardware and software flow control
- Tri-state LED displays device status and COM port activity (except Edgeport/1 models)
- No additional IRQ or memory address requirements
- Low power consumption
- Rack-mountable
- Hot-swappable
- 1-meter USB cable included (unless otherwise specified)
- Bulk packaging and customized cabling options available

POS Connectivity



Mobile Computing



+ Specifications :: Continued

Edgeport Standard

- 1/2/4/8/12/16 RS-232 serial ports
- DB-9, DB-25 and RJ-45 connector options
- Models with on-board USB hub ship with external power supply

Edgeport Compact

- 2 models with DB-9 connectors
 - 2 RS-232 serial ports
 - 2 RS-232 serial, 2 USB ports
- Captive 2-meter cable for secure connection in rugged environments like mobile computing
- Smaller form factor and lower cost per port than standard Edgeport

Edgeport Industrial

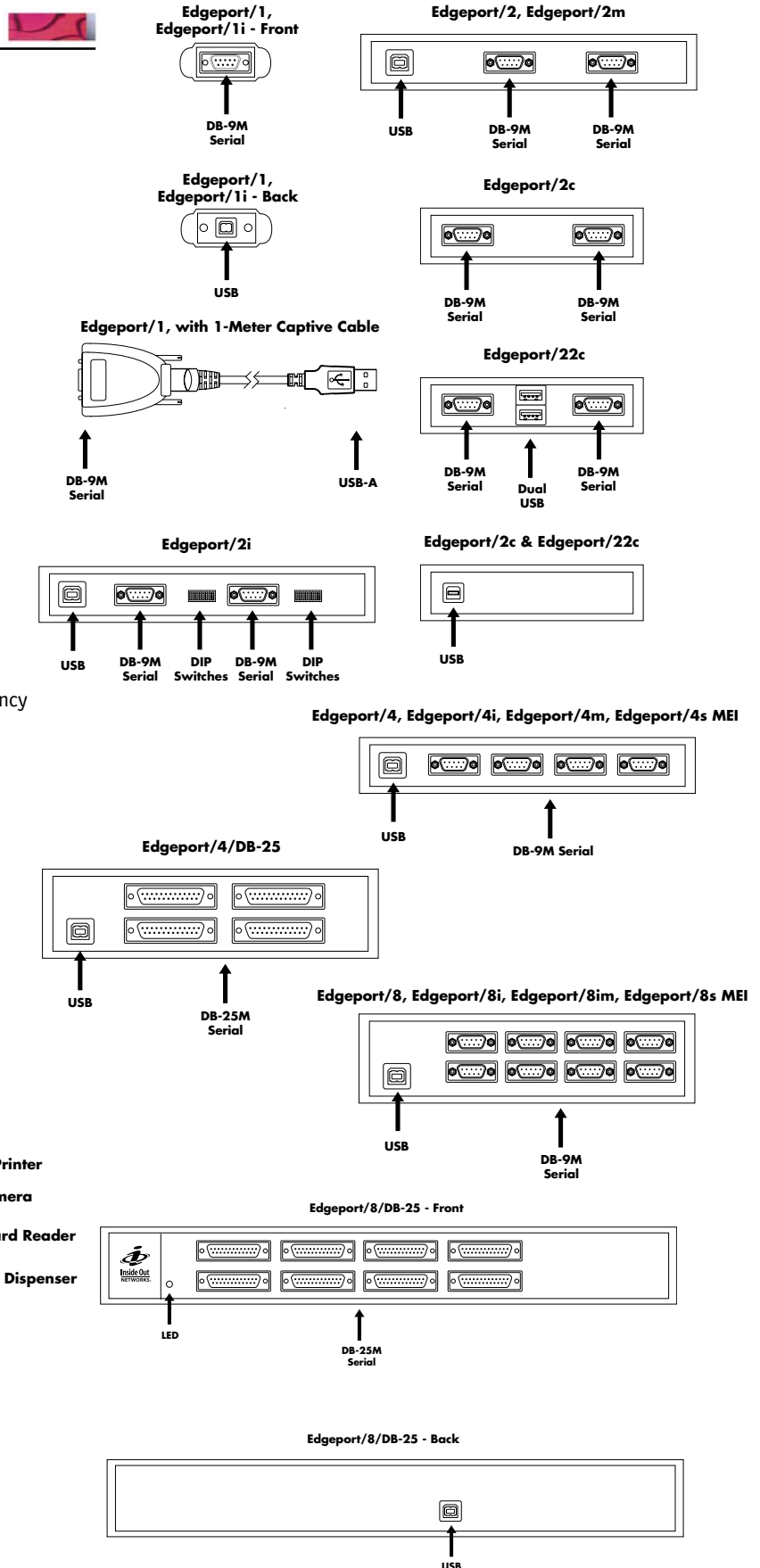
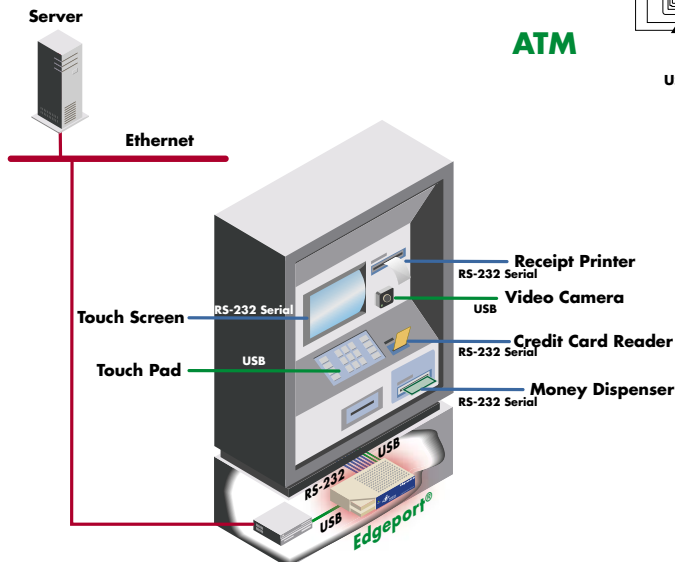
- 1/2/4/8 serial ports with DB-9 connectors
- RS-232/422/485 software selectable models

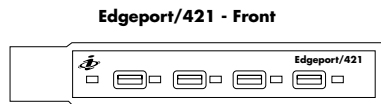
Edgeport Metal

- 2/4/8 serial ports with DB-9 connectors
- Rugged aluminum chassis
- Detachable mounting brackets
- Designed for demanding environments like emergency vehicles and restaurant kitchens

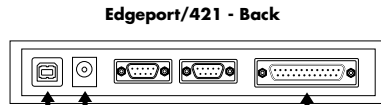
Edgeport Multi-Interface

- 2 models with DB-9 connectors
 - 2 RS-232 serial; 1 parallel printer port
 - 4 USB, 2 RS-232 serial, 1 parallel printer port
- Ideal for workstations or thin clients

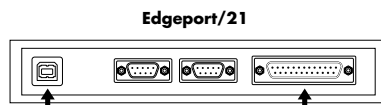




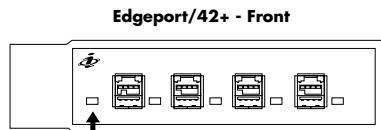
Edgeport/421 - Front
System Status LED, USB, Device Status LEDs



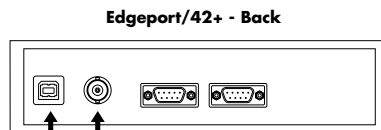
Edgeport/421 - Back
USB, Power, DB-9M Serial, DB-25F Parallel



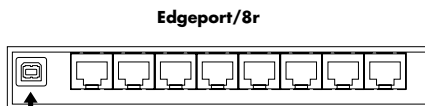
Edgeport/21
USB, DB-9M Serial, DB-25F Parallel



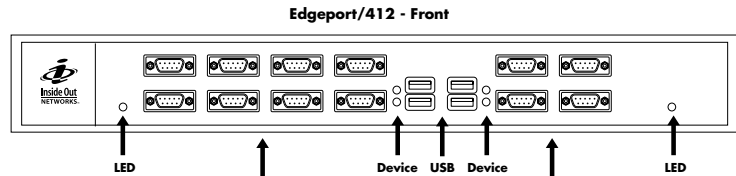
Edgeport/42+ - Front
System Status LED, Powered USB, Device Status LEDs



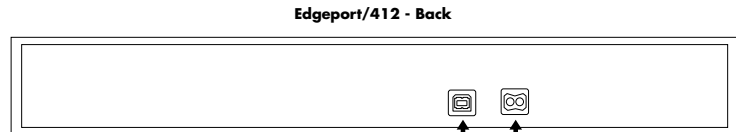
Edgeport/42+ - Back
USB, Power, DB-9M Serial



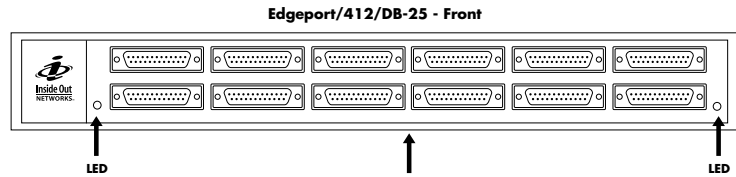
Edgeport/8r
USB, RJ-45 Serial



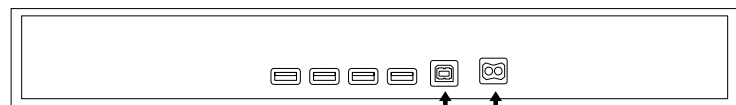
Edgeport/412 - Front
LED, DB-9M Serial, Device Status LEDs, USB, Device Status LEDs, DB-9M Serial, LED



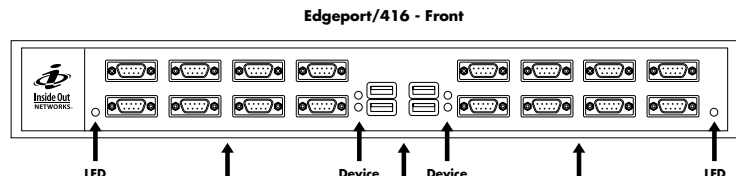
Edgeport/412 - Back
USB, Power



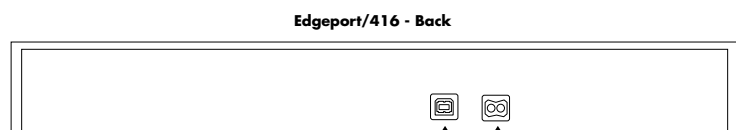
Edgeport/412/DB-25 - Front
LED, DB-25M Serial, LED



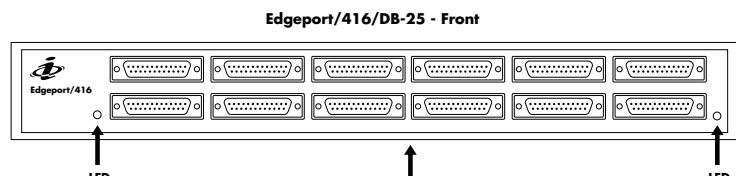
Edgeport/412/DB-25 - Back
USB, USB, Power



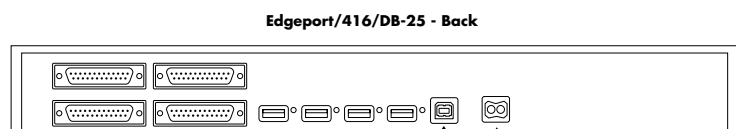
Edgeport/416 - Front
LED, DB-9M Serial, Device Status LEDs, USB, Device Status LEDs, DB-9M Serial, LED



Edgeport/416 - Back
USB, Power



Edgeport/416/DB-25 - Front
LED, DB-25M Serial, LED



Edgeport/416/DB-25 - Back
DB-25M Serial, Device Status LEDs, USB, USB, Power

Unless otherwise indicated, each Edgeport (except Edgeport/1 and Edgeport/1i) includes one diagnostic LED on the front panel."

Part Numbers ::	North America	International
Model		
Edgeport Serial		
Edgeport/1 - 1 serial DB-9	301-1001-11	301-1001-11
Edgeport/1 25-Unit Bulk Pack (25 ea. 301-1001-11)	301-1001-21	301-1001-21
Edgeport/1 100-Bulk Pack (100 ea. 301-1001-11)	301-1001-22	301-1001-22
Edgeport/1 Captive Cable - 1 serial DB-9, attached 2m USB cable	301-1001-15	301-1001-15
Edgeport/2 - 2 serial DB-9	301-1000-02	301-1000-02
Edgeport/4 - 4 serial DB-9	301-1000-04	301-1000-04
Edgeport/4/DB-25 - 4 serial DB-25	301-1016-01	301-1016-01
Edgeport/412 - 4 USB, 12 serial DB-9	301-1004-12	301-2004-12
Edgeport/412/DB-25 - 4 USB, 12 serial DB-25	301-1016-12	301-2016-12
Edgeport/416 - 4 USB, 16 serial DB-9	301-1000-10	301-2000-10
Edgeport/416/DB-25 - 4 USB, 16 serial DB-25	301-1016-16	301-2016-16
Edgeport/8 - 8 serial DB-9	301-1002-08	301-1002-08
Edgeport/8/DB-25 - 8 serial DB-25	301-1016-08	301-1016-08
Edgeport/8r - 8 serial RJ-45	301-1002-14	301-1002-14
Edgeport Compact		
Edgeport/2c - 2 serial DB-9, captive 2m USB cable	301-1003-10	301-1003-10
Edgeport/22c - 2 serial DB-9, 2 USB, captive 2m USB cable	301-1003-30	301-1003-30
Edgeport Industrial		
Edgeport/1i - 1 RS-422/485 serial DB-9	301-1001-31	301-1001-31
Edgeport/2i - 2 RS-422/485 serial DB-9	301-1000-12	301-1000-12
Edgeport/2+2i - 2 RS-232 serial, 2 RS-422 serial DB-9	301-1022-04	301-1022-04
Edgeport/4i - 4 RS-422 serial DB-9	301-1000-24	301-1000-24
Edgeport/8i - 8 RS-422 serial DB-9	301-1000-28	301-1000-28
Edgeport/4s MEI - 4 RS-232/422/485 DB-9 software selectable	301-1000-94	301-1000-94
Edgeport/8s MEI - 8 RS-232/422/485 DB-9 software selectable	301-1002-98	301-1002-98
Edgeport Metal		
Edgeport/2m - 2 serial DB-9, metal chassis	301-1000-80	301-1000-80
Edgeport/4m - 4 serial DB-9, metal chassis	301-1000-81	301-1000-81
Edgeport/8im - 8 RS-422 serial DB-9, metal chassis	301-1000-85	301-1000-85
Edgeport Multi-Interface		
Edgeport/21 - 2 serial DB-9, 1 parallel	301-1000-21	301-1000-21
Edgeport/421 - 4 USB, 2 serial DB-9, 1 parallel	301-1004-21	301-2004-21

All cables and accessories: pg. 112.

- * See USB Plus Series for powered USB version.
- * Serial ports are RS-232 unless otherwise specified.
- * Bulk packs include one copy of software and documentation with limited use reproduction license.

USB Plus Series :: Powered USB

+



+

Overview :: USB PlusPower, or powered USB technology was developed as an alternative to externally powered USB devices. Its unique cabling allows higher power USB devices to receive power from the PC instead of external power supply bricks, maintaining the Plug and Play end user experience typical of USB connectivity. Our hub and card solutions offer an easy way to create cost-effective Point-of-Sale (POS) and Point-of-Care (POC) systems that can handle the additional power voltage required for USB devices such as printers, signature capture devices and bar-code scanners.

+

+

+ Features ::

- Eliminates individual power supply bricks for USB peripheral devices
- Enables USB bus powering at higher voltage levels than standard USB
- Internal card and external hub solutions for easy application customization
- Supplies power and communication signals over hot-pluggable USB PlusPower cable
- Enables a low-cost, standard PC to become a high-performance retail system
- Cable locking mechanism ensures secure connections
- Compatible with standard and powered USB peripheral devices
- Power balancing technology provides maximum power to 12V and 24V peripherals, without exhausting the host PC's 5/12V power
- Compact hub available for space-prohibitive applications
- Hub available with two RS-232 serial DB-9 ports to connect powered USB, standard USB and legacy serial devices in a single box
- 5-year warranty

+ Specifications ::

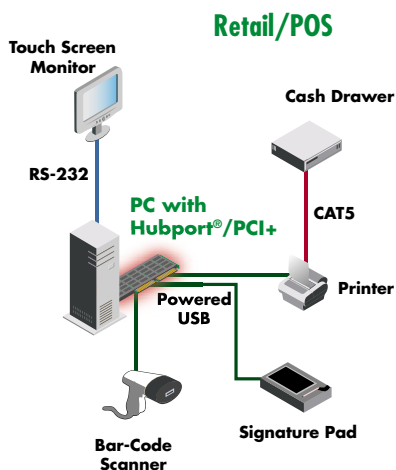
- Compatible with standard (type A) and USB PlusPower connectors
- Power balancing technology for efficient power management
- Port level power management on selected models
- Plug and Play
- Convection cooled design; no fans
- Full hardware and software flow control
- Meets power switching requirements of USB 1.1 specification
- Compatible with Windows Server 2003, Windows XP/XP Embedded, Windows NT/NT Embedded, Windows 2000/Me, Windows CE, Windows 9x

Hubport/PCI+

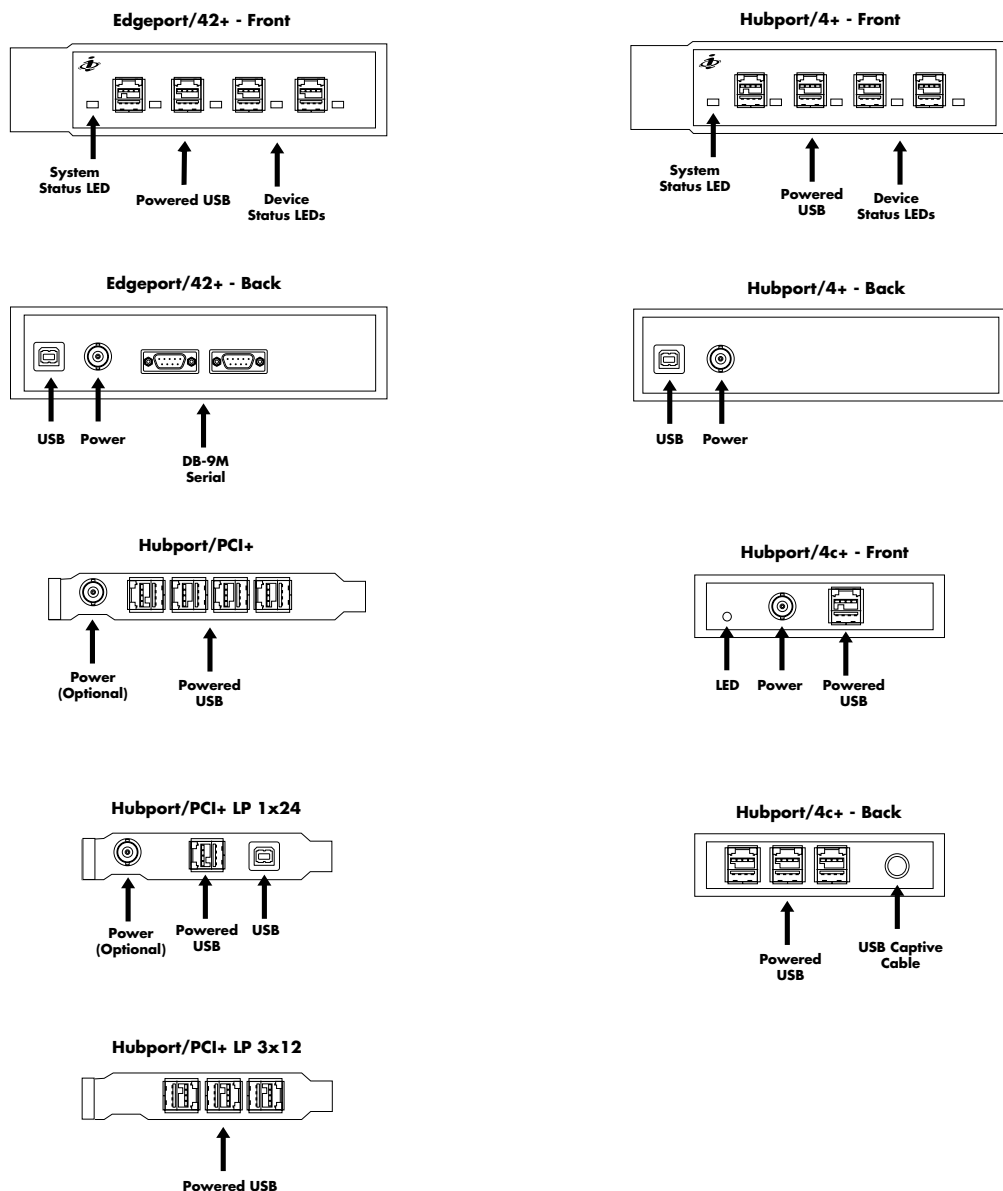
- Universal PCI (3.3V and 5.5V) card
- Full-sized or low-profile
- 4 powered USB ports
- Two-card low-profile solution
 - 3 x 12V card
 - 1 x 24V card
 - Cards may be linked or stand alone
- USB 2.0 compatible
- Baud rates to 480 Mbps
- Two power options
 - Full internal power
 - External power supply

Hubport/4+, Hubport/4c+, Edgeport/42+

- External to PC
- USB to 4 powered USB ports
- 2 RS-232 DB-9 serial ports (Edgeport/42+ only)
- Locking power connectors
- USB 1.0 and 1.1 compatible; backwards compatibility for 2.0
- Baud rates to 12 Mbps
- External power supply
- 10-inch (25.4 cm) captive cable (Hubport/4c+ only)
- Tri-state LED for device status and port activity



USB Plus Series :: Powered USB



To learn more about USB PlusPower technology, visit www.usbpluspower.org.

Part Numbers ::	North America	International
Model		
Edgeport/42+ - USB to 4-port powered USB hub; 2 serial DB-9; power supply	301-1001-42	301-2001-42
Hubport/4+ - USB to 4-port powered USB hub; power supply	301-1010-14	301-2010-14
Hubport/PCI+ - PCI to 4-port powered USB card; optional power supply sold separately	301-1149-01	301-1149-01
Hubport/PCI+ - PCI to 4-port powered USB card; internally powered	301-1150-01	301-1150-01
Hubport/PCI+ - PCI to 4-port powered USB card with external power supply	301-1151-01	301-2151-01
Hubport/PCI+ Power Supply - optional power supply for 301-1149-01	301-9007-01	301-9207-01
Hubport/4c+ - USB to 4-port powered USB compact hub	301-1157-01	301-2157-01
Hubport/PCI+ LP 1x24V - Low Profile PCI - 1 x 24V	301-1170-01	301-1170-01
Hubport/PCI+ LP 3x12V - Low Profile PCI - 3 x 12V	301-1171-01	301-1171-01
Hubport/PCI+ LP 1x24V w/PS - Low Profile PCI - 1 x 24V with power supply	301-1172-01	301-2172-01
Hubport/PCI+ LP 1x24V w/cable - Low Profile PCI - 1 x 24V with ribbon cable to 12V card	301-1173-01	301-1173-01

All cables and accessories: pg. 112.

Watchport®/V2 :: USB Camera



Overview :: Watchport/V2 is a high performance USB camera designed for mission-critical enterprise applications such as kiosks, ATMs, point-of-sale, building automation/security and mobile computing. The first USB webcam with Windows NT drivers, Watchport/V2 offers exceptional low light sensitivity (<1 lux) and enhanced resolution to deliver optimum picture quality. An optional lens kit and motion detection software are available for complete customization. Watchport/V2 is USB powered and offers Plug and Play installation for easy integration into any new or existing application.

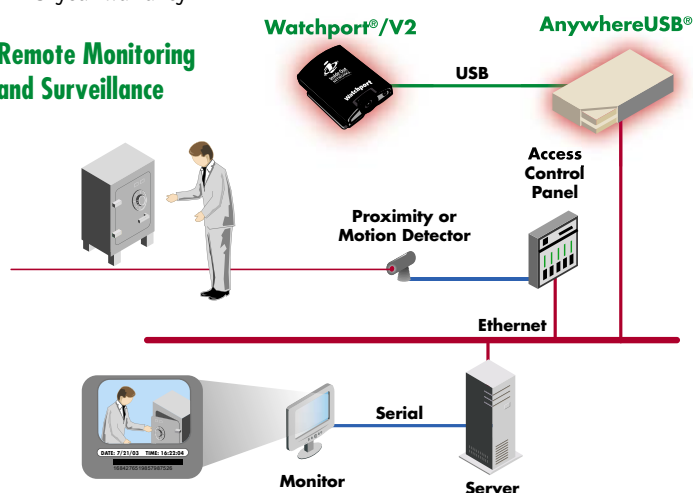
+ Features ::

- Ideal for photo ID badging, kiosks, ATMs, access control and general surveillance
- Exceptional low light sensitivity
- Optional lens pack available
- Adjustable resolutions
- Compatible with TWAIN, DirectShow® and AVI
- Easy Plug and Play installation
- Only USB camera of its kind with Windows NT drivers
- Watchport Manager application software provides centralized camera status and allows easy integration of multiple Watchport/V2 cameras without additional software development
- Motion detection software available to create cost-effective remote monitoring system (see page 79)
- 5-year warranty

+ Specifications ::

- Low light sensitivity: <1 lux
- Adjustable resolutions
 - 1280 x 960 (software enhanced)
 - 640 x 480 - 352 x 288
 - 320 x 240 - 176 x 144
 - 160 x 120 - 128 x 96
- Maximum frame rate of 30 fps at all resolutions
- Removable 4.9mm lens; F:2.0 adjustable
- Optional lens pack available
 - 3 mm wide angle
 - 8 mm close-up
 - 12 mm telephoto
- Exposure controls
 - Manual and automatic gain and shutter control
 - Automatic white balance (AWB)
 - Manual color balance
 - Color saturation
- Color formats: 16.8 million TrueColor (24-bit RGB), RGB555
- Motion JPEG compression
- Sensor: color CCD
- Scan frequencies: 60, 50, 30, 25, 15, 12.5, 7.5, 6.25 and 4 Hz
- Shutter rate controls: 1/4 second to over 1/30,000 second
- Compatible with Windows XP/XP Embedded, Windows NT 4.0/NT Embedded, Windows 2000/Me, Windows Server 2003

Remote Monitoring and Surveillance



Check out our online demo:
www.digi.com/wpdemo

Part Numbers ::

North America International

Model

Watchport/V2 USB Camera	301-9010-01	301-9010-01
Watchport/V USB Camera Lens Pack - 3 mm wide angle, 8 mm close-up, 12 mm telephoto	301-9015-01	301-9015-01
Watchport Sentry Software License - single camera per host	301-9026-01	301-9026-01
Watchport Console Software License - 2 cameras per host	301-9027-01	301-9027-01
Watchport Console Extra License - for additional Console connections	301-9029-01	301-9029-01
Watchport/V Wall Mount	301-9018-01	301-9018-01
Watchport/V Clamp Mount	301-9019-01	301-9019-01

All cables and accessories: pg. 112.

Watchport® Sensors :: USB Sensors

Overview :: The Watchport Series includes the first complete line of Plug and Play USB sensors for environmental monitoring. Choose from sensors for proximity, humidity/temperature, distance, acceleration/tilt, water and temperature. Watchport Manager application software provides centralized device status and historical data logging, and allows the easy integration of multiple Watchport devices without additional software development. Creating a made-to-order monitoring system with Watchport sensors can preempt damage to equipment and facilities and also reduce costly system downtime and maintenance.

+ Features ::

- Ideal for remote monitoring in POS (kiosks, ATMs), medical, data center and other security applications
- Easy to install and configure
- Includes USB base, sensing device and Watchport Manager software
- Extend distance between sensor and host with CAT5 cable
- Remotely monitor and configure over an IP network with AnywhereUSB®
- API available for application software development
- Compatible with Windows operating systems
- 5-year warranty

+ Specifications ::

Watchport/H Humidity/Temperature Sensor

- Collects both relative humidity (RH) and temperature data
- Temperature compensated RH readings
- Configurable Watchport Manager alarm thresholds
- ASCII command interface
- RH accuracy: +/- 5% at 0-90% non-condensing; +/- 8% over 90%
- Maximum CAT5 UTP cable length: 500 ft (152.46 m)

Watchport/P Proximity Sensor, Watchport/D Distance Sensor

- Photo-electric sensor with hardware controlled sensitivity
- Reports proximity event (Watchport/P) or object distance (Watchport/D)
- Enables system event triggering with Watchport Manager
 - Automatic log-off
 - Automatic system lock
 - Run user-selectable files such as screen savers, batch files, scripts and executables

+



+

+

+ Specifications :: Continued

- Detection range 1.6 to 4.9 ft (0.5 to 1.5 m)
- Maximum reading rate: 3 per second
- Response delay: ≤5.0 ms (typical)
- Power consumption: 70 mA (max)
- Maximum CAT5 UTP cable length: 500 ft (152.46 m)

Watchport/T Temperature Sensor

- Configurable Watchport Manager alarm thresholds
- ASCII command interface
- Temperature resolution: 0.1° C
- Power consumption: 15 mA (normal), 1.0 mA (suspend mode)
- Maximum CAT5 UTP cable length: 500 ft (152.46 m)

Watchport/W Water Detector

- 2 gold plated pins detect wetness on a non-conductive surface
- Binary output with "Wet" or "Dry" readings
- Waterproof enclosure
- Maximum reading rate: 5 per second
- Power consumption: 15 mA (normal), 1.0 mA (suspend mode)
- Maximum CAT5 UTP cable length: 1,000 ft (304.8 m)

Watchport/A Accelerometer/Tilt Sensor

- Dual axis accelerometer
- Measures dynamic acceleration or tilt
- Acceleration from -2g to 2g

Part Numbers ::

North America International

Model

Watchport/H - humidity & temperature sensor	301-1141-01	301-1141-01
Watchport/P - proximity sensor	301-1143-01	301-1143-01
Watchport/T - temperature sensor	301-1144-01	301-1144-01
Watchport/W - water detector	301-1145-01	301-1145-01
Watchport/D - distance sensor	301-1146-01	301-1146-01
Watchport/A - accelerometer	301-1147-01	301-1147-01

All cables and accessories: pg. 112.

Rapidport/4® :: USB Modem Bank

+



+

Overview :: Rapidport/4 offers an easy solution for remote access via Plug and Play USB connectivity. This external, user-installable solution plugs into the USB port of a PC, thin client or server and provides four 56K V.92 modems. The Rapidport/4 gives network users access to Internet Service Providers (ISPs), fax, and other group dial-up applications supported by Windows operating systems.

+

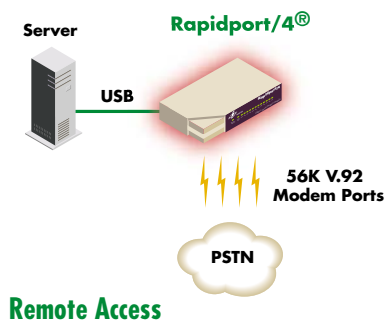
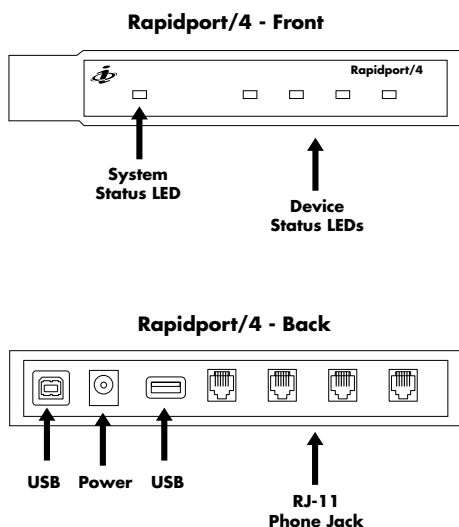
+ Features ::

- Add four 56K V.92 modems to a PC, server or thin client in minutes
- Pool existing modem lines
- Give network users access to ISP, fax and other group dial-up applications supported by Windows operating systems
- Broad homologation – approved for use in most countries
- Lower total cost of ownership with user-installable, external solution
- On-board USB hub to stack and daisy-chain up to five Rapidport/4 units per host
- 5-year warranty

+

+ Specifications ::

- 4 56K modems with RJ-11 connectors
- Modem standards
 - Data 56K V.92, V.90 and enhanced V.34
 - Error correction: V.42
 - Data compression: MNP® Class 5; V.42bis
 - Fax: V.17, Group 3, Class 1 and 2
- USB 1.0 and 1.1 compatible; backwards compatibility for 2.0
- Plug and Play
- On board USB hub (type A downstream connector)
 - Stack and daisy-chain up to five Rapidport/4 units
 - Connect Edgeport USB-to-serial converter for serial device connectivity
- Front panel LEDs display modem and hub status
- No additional IRQ or memory address requirements
- Broad homologation
- Includes 1-meter USB cable and power supply
- Compatible with Windows Server 2003, Windows XP/XP Embedded, Windows NT/NT Embedded, Windows 2000/Me, Windows CE, Windows 9x and Linux



Part Numbers ::

North America International

Model

Rapidport/4 - USB to 4 56K V.92 modems; RJ-11
Rapidport/4 Dual Unit - 2 Rapidport/4 units

301-1012-04
301-1012-08

301-2012-04
301-2012-08

All cables and accessories: pg. 112.

Hubport® :: Industrial USB Hubs

Overview :: The Hubport is an industrial-grade solution for adding USB ports to a PC or server. Available in four- and seven-port AC or DC powered models, the Hubport can be used to connect USB peripheral devices, or to stack and power any of our USB solutions.

+

+



+

+

+ Features ::



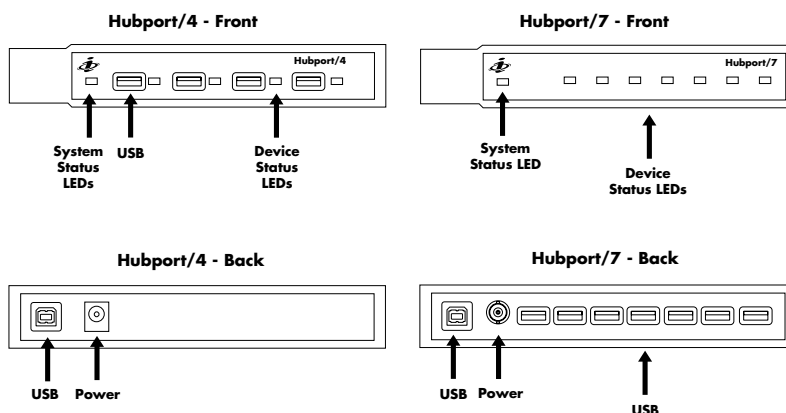
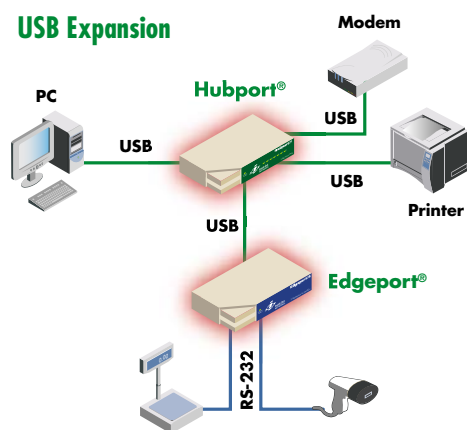
- Add USB ports to a PC, server or thin client in minutes
- Easily connect and power USB peripheral devices
- DC powered models can be used with alternative power sources such as 12V or 24V vehicle batteries for mobile applications
- Maximum transfer rate on all ports simultaneously
- Locking power connector for solid power connection in environments with high vibration or other incidental contact (Hubport/7)
- Individual port power management
- Also available in USB PlusPower (powered USB) models – see USB Plus Series on page 70
- 5-year warranty

+ Specifications ::



- 4/7 downstream USB ports
- USB 1.0 and 1.1 compatible; backwards compatibility for 2.0
- No additional IRQ or memory address requirements
- 500 mA downstream power available per port
- Models with variable DC input power from 10-26 volts
- LEDs for system power and port status
 - Hubport/4: 5 LEDs
 - Hubport/7: 8 LEDs
- Baud rate: to 12 Mbps per port
- Plug and Play
- Hot-swappable
- Includes 1-meter USB cable and power supply
- Compatible with Windows, Linux and other operating systems

USB Expansion



Part Numbers ::

North America International



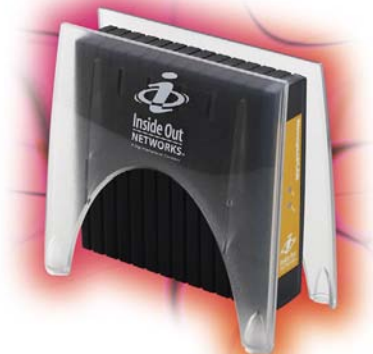
Model

Hubport/4 - 4-port USB hub	301-1010-04	301-2010-04
Hubport/4 DC - 4-port USB hub with DC input power	301-1010-30	301-1010-30
Hubport/7 - 7-port USB hub	301-1010-07	301-2010-07
Hubport/7 DC - 7-port USB hub with DC input power	301-1010-70	301-1010-70

All cables and accessories: pg. 112.



Wavespeed®/LAN :: USB-to-802.11b WLAN



Overview :: Wavespeed/LAN is a USB-to-802.11b wireless LAN adapter. It offers an easy solution for adding a PC, laptop or thin client to the LAN. This external alternative to a NIC card reduces the costs and hassles of implementing a wired connection to the LAN, without sacrificing performance.

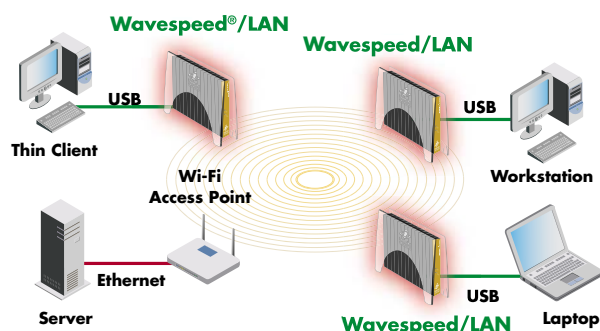
+ Features ::

- Eliminates costs and hassles of implementing a wired network– without sacrificing performance
- Communication via access point or peer-to-peer mode
- Powered by USB bus – no external power supply required
- 64-bit and 128-bit WEP encryption for secure data transfer
- Comprehensive OS support includes Windows NT/NT Embedded, Windows XP/XP Embedded, Windows Server 2003, Window 2000/Me and Windows 9x
- 5-year warranty

+ Specifications ::

- IEEE 802.11b compliant
- USB 1.0 and 1.1 compatible; backwards compatibility for 2.0
- Plug and Play
- Direct Sequence Spread Spectrum (DSSS)
- 64-bit and 128-bit WEP encryption
- 11 channels
- Data rate: Auto, 1, 2, 5.5 and 11 Mbps
- Modulation
 - DPSK at 11 Mbps
 - DQPSK at 2 Mbps
 - CCK at 5.5 and 11 Mbps
- Frequency: 2.4 to 2.48 GHz
- Bit error rate: 1E-5 at -83 dBm
- 100mW transmit power output
- Output power: 12 dBm typical
- Receiver sensitivity: -80 dBm minimum
- Current drain (typical): Transmit 480 mA; Receive 350 mA
- Coverage area indoors (close space)
 - 165 ft (50 m) at 11 Mbps
 - 265 ft (100 m) at 5.5 Mbps
- Coverage area outdoors
 - 500 ft (150 m) at 11 Mbps
 - 1,000 ft (300 m) at 5.5 Mbps
- Internal antenna
- Communication via access point or peer-to-peer mode
- LEDs for power status and link activity
- Field-upgradeable
- Includes 1-meter USB cable

Wireless Networking



See page 87 for Wavespeed/S Bluetooth wireless serial adapters.

Part Numbers ::

North America International

Model

Wavespeed/LAN - USB-to-802.11b WLAN

301-1117-01

Not available

All cables and accessories: pg. 112.

Overview :: All USB solutions from Digi and Inside Out Networks include drivers that enable them to work with Windows NT and Windows NT Embedded systems. In addition, we offer the EdgeUSB software stack, which may be licensed by developers, integrators, and peripheral device manufacturers who wish to add Windows NT compatibility to a USB device for large-scale installations (typically 1,000+ seats).

+

+



+

+

+ Features ::



- First and only USB software stack for Windows NT/NT Embedded that supports Windows Driver Model (WDM) driver architecture
- Provides binary compatibility with the USBDI interface supplied by Microsoft in Windows 95, Windows 98, Windows 2000 and Windows XP
- Permits existing WDM USB drivers to run on Windows NT with little or no modification
- Supports OHCI and UHCI host controllers, and up to 5 levels of hubs
- Field-tested compatibility with hundreds of desktop and mobile platforms
- Shipping since 1998 in thousands of installations – a robust, field-proven solution
- Successfully implemented in USB devices such as bar-code scanners, fingerprint readers, scanners and cameras

+ Specifications ::



- Full hot-swap Plug and Play support
- Compatible with USB v1.1 spec
- High performance (faster than Windows 98 stack)
- WDM USB drivers for Windows 95/98/2000 require little or no source code changes
- Supports USB 1.1 spec
- Complete Plug and Play functionality
 - Hot-insertion of devices
 - Hot-removal of devices (even while application has device open)
 - Dynamic loading and unloading of drivers
 - Initial installation of driver stack without rebooting
- Implements binary-compatible subset of Microsoft USBDI interface
 - Binary-compatible IRP (I/O Request Packet) parameter/request values
 - Binary-compatible URB (USB Request Block) structures and parameter/request values
 - Binary-compatible USBDLIB library functions
- Implements binary-compatible subset of Microsoft WDM Plug and Play interface
- Supports control, bulk and interrupt transfer types.
- Fully interrupt-driven for high performance
- Supports unlimited number of concurrent overlapped requests from multiple drivers simultaneously
- Supports unlimited number of host controllers, hubs, devices and client drivers
- Optional user-mode background service can call user-mode DLLs on device insertion and/or removal
- Optional user-mode system tray applet for status and troubleshooting
- In many cases can run unmodified WDM driver binaries

Part Numbers ::

Worldwide

Model

EdgeUSB Software Stack License

Contact Us

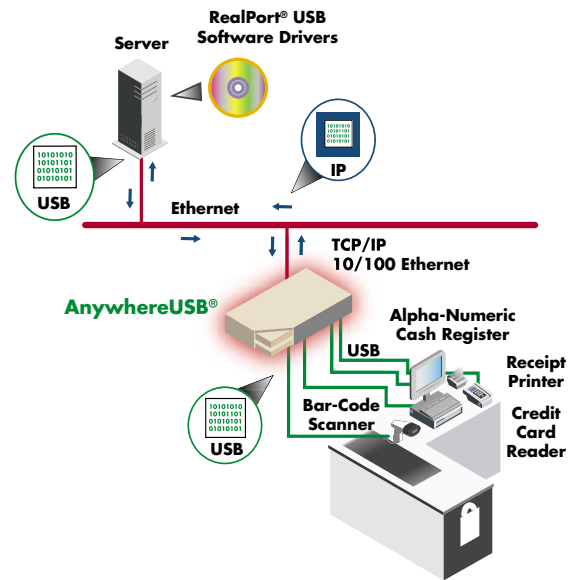


RealPort® USB (USB Over IP®) :: Management Tools/Special Features

Overview :: USB technology is a no-hassle, cost-effective alternative to PCI or ISA bus expansion for peripheral device connectivity. One characteristic of USB connectivity that can pose a challenge, particularly for retail/POS and building automation/security applications, is its cabling distance limitation of five meters (16.4 feet).

Digi and Inside Out Networks addressed this limitation by developing patented RealPort USB technology. The software “encapsulates” data from a USB device, enabling it to travel between a locally attached peripheral device and a remotely attached host PC over a standard TCP/IP network. The relocation of the main PC to a remote location not only saves space, but also allows devices to be placed in harsh environments or in non-secure areas.

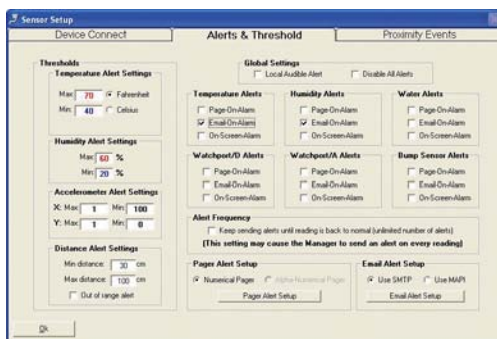
RealPort USB software is included with the AnywhereUSB® network-enabled USB hub (see page 67).



Watchport® Manager :: Management Tools/Special Features



Multi-camera monitoring



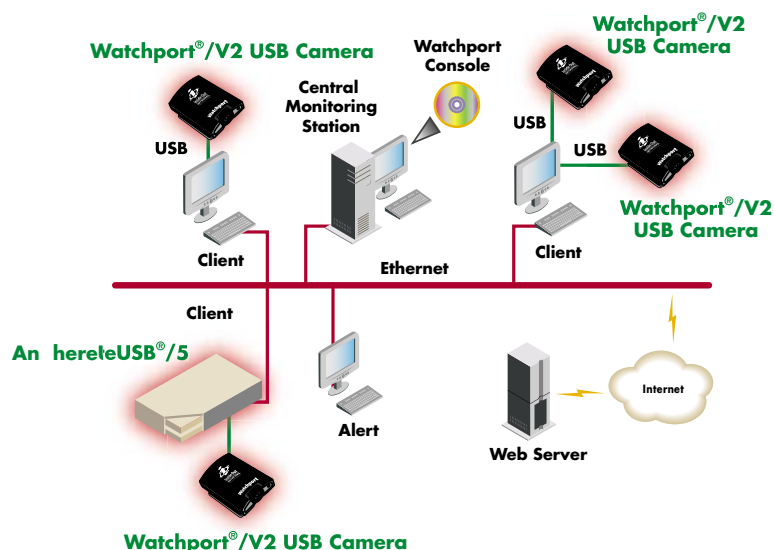
Alerts and thresholds

Overview :: Creating a 24/7 made-to-order remote monitoring system is easy with Watchport Manager application software, which is included with each Watchport Sensor and Watchport/V2 USB camera. The application possibilities are almost endless. Monitor temperature and humidity levels in a server room; detect the presence of water in an ATM; activate an information kiosk monitor when a shopper is nearby; or protect confidential information by automatically ending a session at a human resources kiosk when the user is no longer detected.

+ Features ::

- Centralized device status
- Historical data logging
- User-defined alarm thresholds
- Pager, email and onscreen alarms for remote monitoring
- Easy integration of multiple sensors without additional software development
- Minimizes into system tray to save screen space
- Free with all Watchport camera and sensor solutions





Overview :: Digi makes it easy to create a remote monitoring system to protect an office, warehouse, data room, gas pump, cash register, parking lot or other property. Watchport/V2 plus Watchport Sentry (single camera per host) or Watchport Console (multiple cameras per host) motion detection software offers a cost-effective alternative to CCTV and other remote surveillance solutions.

+ Features ::

- Sensitivity controls and user-defined masks eliminate spurious motion detection; compensate for changes in lighting
- Instant playback allows user to review motion captured on a given day
- Automatic zoom
- Automated image archiving or deletion
- Motion map feature displays summary of motion over time
- Time lapse or webcam mode allows user to schedule operating periods for specific times and days of the week
- Name, time and date stamping of recorded images
- Image encryption to detect tampering



Watchport Sentry detects motion, zooms in and tracks movement with crosshairs in the video window.

Part Numbers ::

North America International

Model

Watchport Sentry Software License - single camera per host

301-9026-01

301-9026-01

Watchport Console Software License - 2 cameras per host

301-9027-01

301-9027-01

Watchport Console Extra License - for additional Console connections

301-9029-01

301-9029-01

Wireless

Cellular, Bluetooth® and Wi-Fi

Digi offers unique best of breed wireless solutions that utilize cellular, Bluetooth and Wi-Fi (802.11x) technologies. This product range offers the flexibility and scalability required for mission-critical enterprise applications.

Cellular

More customers than ever now require that not only the devices in their central data center be connected, but also devices at remote locations. We have identified this new space as Remote Device Management and now offer a suite of hardware and software solutions utilizing GSM and CDMA cellular networks. Benefits of wireless communications include instant deployment, elimination of wiring costs and problems due to wire breaks, the ability to traverse firewalls, and the ability to move the connection virtually anywhere.

Bluetooth

Bluetooth wireless technology is ideal for applications where cabling may be impractical. The focus can be on close range connections (up to 10 meters) between portable devices such as a PDA and a cell phone, or longer range (up to 100 meters) for applications where longer cabling may be impractical. No access point is necessary for many Bluetooth applications, as the devices communicate directly over a virtual wire. This leads to a more ad-hoc approach to connecting devices based on resources available rather than specific network log on capabilities that are common in Wi-Fi.

Wi-Fi

Wi-Fi is a broad, LAN/WAN based protocol that allows devices to connect to a larger network. It enables a device (like a PC) to connect to other devices through a networking protocol such as TCP/IP. The focus is on wire-free connections to business networks, allowing a user to log on and use the resources of that network through a connected "access point." Typical connections are within 300 feet.

What do you need to do?

- + Create a truly diverse backup WAN using wireless/cellular technology [Digi Connect WAN](#)
- + Connect to a remote serial device via serial-to-cellular technology [Digi Connect RG](#)
- + Replace serial cables with a Bluetooth wireless connection [Wavespeed/S](#)
- + Add embedded 802.11b wireless connectivity to an electronic device [Digi Connect Wi-ME/Wi-EM](#)
- + Connect RS-232/422/485 serial devices to a wireless network [PortServer TS W MEI](#)
- + Add wireless networking with product integration flexibility [Digi Connect Wi-SP](#)
- + Network a PC that does not have a NIC card or empty card slot..... [Wavespeed/LAN](#)
- + Manage and configure groups of devices across remote networks..... [Digi Connectware Manager](#)

+ Wireless – Cellular, Bluetooth and Wi-Fi

Cellular

- Digi Connect® WANpg. 85
- Digi Connect® Remote Gatewaypg. 86

External Bluetooth

- Wavespeed®/Spg. 87

Embedded 802.11b

- Digi Connect® Wi-MEpg. 88
- Digi Connect® Wi-EMpg. 88

External 802.11b

- PortServer® TS W MEIpg. 88
- Digi Connect® Wi-SPpg. 88
- Wavespeed®/LANpg. 88

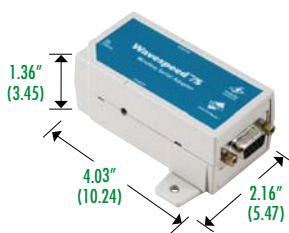
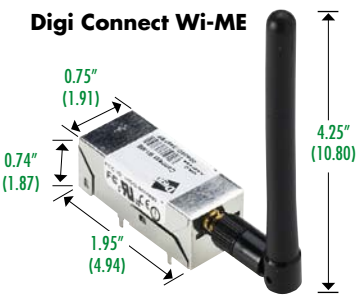
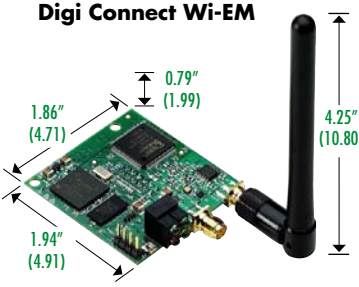
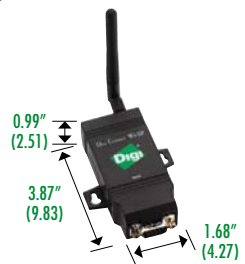
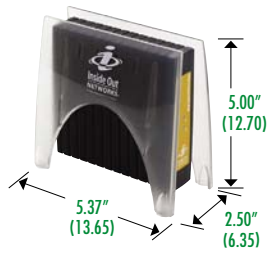
Management Tools and Special Features

- Digi Connectware® Managerpg. 89

Wireless Features Chart		Remote Wireless/Cellular	Digi Connect WAN	Digi Connect Remote Gateway	External Bluetooth	Wavespeed/S	External 802.11b	PortServer TS W MEI	Digi Connect Wi-SP
	10/100Base-T	•	•				•		
	802.11b						•	•	
	WPA2/802.11i							•	
	Bluetooth				•				
	Cellular (GSM/CDMA)	•	•						
	Serial Ports	1	1		1		1/2/4	1/2	
	Serial Type	RS-232	RS-232/422/485		RS-232		RS-232/422/485	RS-232/422/485	
	Serial Connector	DB-9	DB-9		DB-9		RJ-45	DB-9	
	Max. Serial Rate	230 Kbps	230 Kbps		115 Kbps		115 Kbps	230 Kbps	
	External Antenna	•	•				•	•	
	Internal Antenna				•				
	HTTP	•	•				•	•	
	HTTPS	•	•				•	•	
	SSL/TLS Encryption (DES/3DES/AES)	•	•				•	•	
	Other Encryption				•		•	•	
	COM/TTY Driver		RealPort with Encryption		N/A		RealPort with Encryption	RealPort with Encryption (-S Models)	
	Special Features	- Ethernet-to-cellular - GSM GPRS/EDGE or CDMA 1xRTT - Integrates with Digi Connectware Manager	- Serial-to-cellular - GSM GPRS/EDGE or CDMA 1xRTT - Integrates with Digi Connectware Manager		Can be powered via 5-30VDC for mobile applications			Integration and Development Kits available	

		Wavespeed/LAN	Embedded 802.11b	Digi Connect Wi-EM	Digi Connect Wi-ME
Wireless Features Chart	10/100Base-T	•			
	802.11b	•	•	•	
	WPA2/802.11i		•	•	
	Bluetooth				
	Cellular (GSM/CDMA)				
	Serial Ports	0	2	1	
	Serial Type	N/A	TTL	TTL	
	Serial Connector	N/A	TTL	TTL	
	Max. Data Rate	11 Mbps	230 Kbps	230 Kbps	
	External Antenna		•	•	
	Internal Antenna	•			
	HTTP	•	•	•	
	HTTPS		•	•	
	SSL/TLS Encryption (DES/3DES/AES)		•	•	
	Other Encryption	•	•	•	
	COM/TTY Driver	N/A	RealPort with Encryption	RealPort with Encryption	
	Special Features	• 1 USB port • USB powered	• Integration and Development Kits available	• Integration and Development Kits available	



Cellular	Digi Connect WAN 	Digi Connect Remote Gateway 	External Bluetooth	Wavespeed/S 
	Digi Connect Wi-ME 	Digi Connect Wi-EM 		External 802.11b
External 802.11b	Digi Connect Wi-SP 		Wavespeed/LAN 	

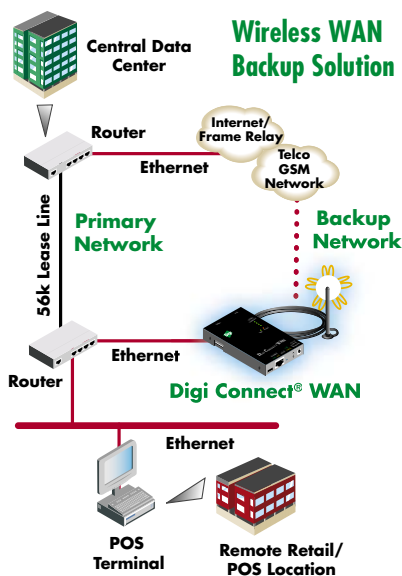
Measurements: inch See pages 110-112 for accessories and page 117 for antennas.
 (cm)

Digi Connect® WAN :: Ethernet-to-Cellular Gateway/Router

Overview :: Digi Connect WAN provides an alternative to traditional wired TCP/IP Wide Area Networks (WANs). It utilizes global wireless cellular technology (GSM GPRS/EDGE or CDMA 1xRTT) to create primary and backup network connectivity for easy remote device management. Digi Connect WAN offers an easy and cost-effective means of connecting virtually any remote location or device into the corporate IP network.

+ Features ::

- High-speed Ethernet-to-cellular gateway/router
- Quadband GSM GPRS/EDGE or CDMA 1xRTT interface for global usage
- Unique Digi SureLink™ “always-on” connection for rapid on-demand connections
- 10/100Base-T Ethernet for direct IP connection to WAN port on existing router
- 9-30VDC for diverse power input
- Web interface for easy centralized console configuration and statistics
- Up to 256-bit AES security provides encryption and authentication for management communications via Digi Connectware Manager (see page 89)
- Includes four-inch 50 ohm swivel dipole antenna
- Ideal for use where wired networks (e.g., lease line/frame relay, CSU/DSU, fractional T1) are not feasible or where alternative network connections are required
- 5-year warranty



+



+

+

+ Specifications ::

Ethernet Interface

- 10/100Base-T RJ-45 connector

Serial Interface

- 1 RS-232 DB-9M
- Throughput up to 230 Kbps
- Hardware and software flow control

RF Features (GSM and CDMA Models)

- RF antenna connector: 50 Ohm SMA
- Swivel dipole antenna

RF Features (GSM Model Only)

- Network: Quadband 1900/850 and 1800/900 MHz GSM
- GPRS/EDGE
- EDGE class 10, GPRS class 12
- Throughput: Up to 240 Kbps, 100-130 Kbps typical

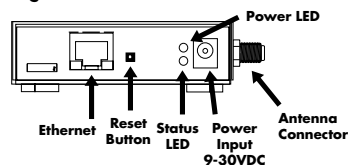
RF Features (CDMA Model Only)

- Network: 800 MHz CDMA cellular, 1900 MHz CDMA PCS
- 1xRTT
- Throughput: Up to 153 Kbps, 60-80 Kbps typical

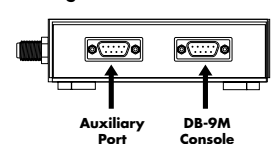
Other Features

- Operating temperature: -30° C to +60° C (-22° F to +140° F)
- NAT
- Port forwarding
- VPN client, VPN pass-through
- Access control lists (IP filtering)
- HTTP for web management
- Optional secure enterprise management via Digi Connectware Manager
- SSL, SSH v2, FIPS 197

Digi Connect WAN - Front



Digi Connect WAN - Back



Part Numbers ::

North America International

Model

Digi Connect WAN GSM with Antenna
Digi Connect WAN CDMA with Antenna
Extended Temperature Power Supply

DC-WAN-GE10A DC-WAN-GE10A-W
DC-WAN-S1XA DC-WAN-S1XA-W
76000717 76000717

Digi Connect® Remote Gateway (RG) :: Serial-to-Cellular Gateway

+



+

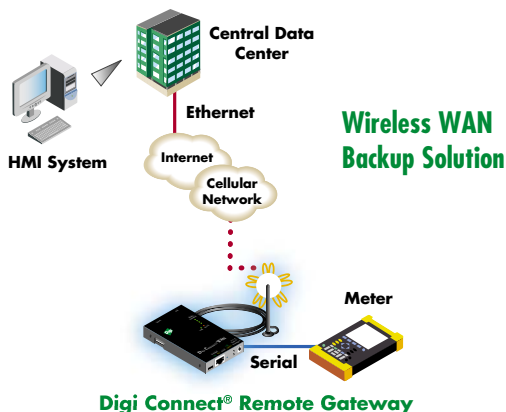
Overview :: Digi Connect RG utilizes wireless cellular networks (GSM GPRS/EDGE or CDMA 1xRTT) to connect virtually any RS-232/422/485 serial device to TCP/IP networks. It allows remote devices to communicate easily and cost-effectively to a central office through standard TCP/UDP communications or RealPort®.

+

+

+ Features ::

- High-speed serial-to-cellular network connectivity
- Quadband GSM GPRS/EDGE or CDMA 1xRTT interface for global usage
- Easy to deploy and move virtually anywhere
- Eliminates wiring costs and problems due to wire breaks
- 9-30VDC for diverse power input
- TCP/UDP socket services
- Patented Digi RealPort COM port redirector
- Supports static/dynamic and public/private IP addresses
- Web and central console configuration
- Unique Digi SureLink™ “always-on” connection for rapid on-demand connections
- Integrates with Digi Connectware® Manager for easy device connectivity and management (see page 89)
- Up to 256-bit AES security provides encryption and authentication for management communications via Digi Connectware Manager
- Includes four-inch 50 ohm swivel dipole antenna
- Applications include utilities, IA, financial, retail/POS or any industry requiring portable IP connections
- 5-year warranty



+ Specifications ::

Ethernet Interface

- 10/100Base-T RJ-45 connector

Serial Interface

- 1 RS-232/422/485 DB-9M
- Throughput up to 230 Kbps
- Hardware and software flow control

RF Features (GSM and CDMA Models)

- RF antenna connector: 50 Ohm SMA
- Swivel dipole antenna

RF Features (GSM Model Only)

- Network: Quadband 1900/850 and 1800/900 MHz
- GSM GPRS/EDGE
- EDGE class 10, GPRS class 12
- Throughput: Up to 240 Kbps, 100-130 Kbps typical

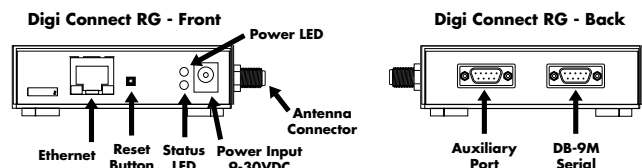
RF Features (CDMA Model Only)

- Network: 800 MHz CDMA cellular, 1900 MHz CDMA PCS
- 1xRTT
- Throughput: Up to 153 Kbps, 60-80 Kbps typical

Other Features

- Operating temperature: -30° C to +60° C (-22° F to +140° F)
- Access control lists (IP filtering)
- HTTP for web management
- Optional secure enterprise management via Digi Connectware Manager
- SSL, SSH v2, FIPS 197 (serial connection)

See website for complete specifications.



Part Numbers ::

North America International

Model

Digi Connect Remote Gateway GSM with Antenna	DC-RG-GE10A	DC-RG-GE10A-W
Digi Connect Remote Gateway CDMA with Antenna	DC-RG-S1XA	N/A
Extended Temperature Power Supply	76000717	76000717

Please contact us at 1-800-437-7251 or 952-912-3444 for additional information or to discuss your specific application requirements.

Wavespeed®/S :: Bluetooth Wireless Serial Adapter

Overview :: Is serial cabling a problem for you? The Wavespeed/S Bluetooth wireless serial adapter offers a secure, standards-based solution for easy serial cable replacement. It enables wireless RS-232 serial data transfer between peripheral devices and a host, or between a host and PDA or other Bluetooth-enabled device. Wavespeed/S increases user mobility in mission-critical applications such as mobile computing (emergency vehicles, delivery trucks), medical and retail/POS.

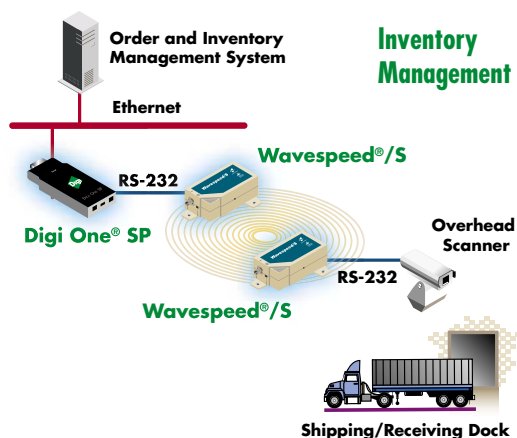


+ Features ::

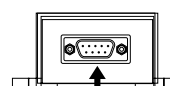
- Standalone solution connects to peripheral device or host for instant serial cable replacement
- Creates wireless serial link transparent to application software
- Increases user mobility and reduces cabling expenses
- Operating system independent
- Utilizes secure, standards-based technology for reliable data transfer
- In-range/out-of-range indicator enables event triggering, increases security
- Choose between two radio types based upon distance requirements
- Replace the serial cable on Digi solutions such as multiport serial cards, device servers and terminal servers
- Can be powered via 5-30VDC for mobile applications

+ Specifications ::

- 1 RS-232 serial DB-9F port to wireless
- Bluetooth 1.1 compliant
- Class 1 radio distance: 100 meters (328.08 feet)
- Class 2 radio distance: 10 meters (32.81 feet)
- Software configurable as DTE or DCE device type
- Frequency: 2.4 GHz
- Baud rate (bps): 300, 1200, 2400, 4800, 7200, 9600, 19200, 38400, 57600 or 115200
- Data bits: 8, 7
- Stop bits: 1, 2
- Parity: none, odd, even
- Flow control: none, software (user-specified XON/XOFF), hardware (RTS/CTS)
- LED for device, software and wireless link status
- Frequency Hopping Spread Spectrum (FHSS)
- In range/out of range indicator (API available)
 - Determine when two devices are inside or outside communication range
 - Create event triggers for host application
 - Adjustable timeout length

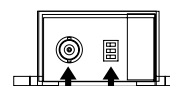


Wavespeed/S - Front



DB-9F
Serial

Wavespeed/S - Back



Power Switch

Part Numbers ::

North America International

Model

Wavespeed/S Class 1	301-1121-01	301-2121-01
Wavespeed/S Class 1 Pair	301-1123-01	301-2123-01
Wavespeed/S Class 2	301-1122-01	301-2122-01
Wavespeed/S Class 2 Pair	301-1124-01	301-2124-01

Embedded 802.11b :: Wireless Embedded Modules

Digi Connect® Wi-ME :: Please see pages 42-43 for complete details.

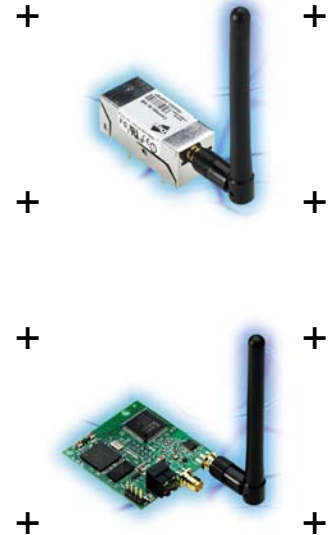
The Digi Connect Wi-ME embedded module is pin- and software-compatible with the Digi Connect ME®, and makes fully transparent 802.11b network integration possible without the traditional complexities of hardware and software integration. Features include:

- 32-bit NET+ARM processor
- 4 MB Flash and 8 MB RAM on board
- 1 high-speed TTL serial interface
- 802.11b wireless LAN interface
- Strong WPA2/802.11i wireless security

Digi Connect® Wi-EM :: Please see pages 44-45 for complete details.

Fully pin- and software-compatible with the Digi Connect® EM, the Digi Connect Wi-EM minimizes design risk and reduces time to market by allowing customers to easily integrate 802.11b wireless networking in a single future-proof product design. Features include:

- 32-bit NET+ARM processor
- 4 MB Flash and 8 MB RAM on board
- 2 high-speed TTL serial interfaces
- 802.11b wireless LAN interface
- Strong WPA2/802.11i wireless security



External 802.11b :: Wireless Device Servers and LAN Adapters

PortServer® TS W MEI :: Please see page 24 for complete details.

PortServer TS W MEI is designed to easily integrate any RS-232/422/485 serial device to an 802.11b wireless Ethernet network. Available in one-, two- and four-port models, it is ideal for use in environments where wired LANs are not feasible and where serial devices are periodically moved. Features include:

- Switch selectable RS-232/422/485 for simple interfacing to any type of serial device
- Wired Equivalent Privacy (WEP) and Wi-Fi Protected Access (WPA) support
- Easy configuration through web browser interface (HTTP)

Digi Connect® Wi-SP :: Please see page 28 for complete details.

The Digi Connect Wi-SP is a flexible and secure 802.11b wireless device server in a compact off-the-shelf wireless device server platform. Features include:

- Plug-and-play firmware model
- Customizable via NET+Works Development Kit
- WPA encryption and authentication
- Switch-selectable RS-232/422/485 interface
- Serial data rates up to 230 Kbps

Wavespeed®/LAN :: Please see page 76 for complete details.

Wavespeed/LAN is a USB-to-802.11b wireless LAN adapter. It offers an easy solution for adding a PC, laptop or thin client to the LAN. This external alternative to a NIC card reduces the costs and hassles of implementing a wired connection to the LAN, without sacrificing performance. Features include:

- Communication via access point or peer-to-peer mode
- Powered by USB bus – no external power supply required
- 64-bit and 128-bit WEP encryption for secure data transfer



Management Tools/Special Features :: Digi Connectware® Manager

Overview :: Digi Connectware Manager is an enterprise software platform that provides secure management of remote sites and their devices from virtually anywhere. It offers enterprise class management and administration to Digi's remote site management products, including Digi Connect® WAN and Digi Connect® Remote Gateway, as well as Digi Connect embedded modules.

+

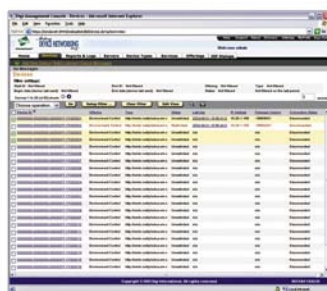


+

+ Features ::



- Provides easy management of large numbers of devices across remote (including wireless) networks
- Easy administration offers grouping of devices for automatic firmware upgrades and management
- Seamless connectivity offers hassle-free, secure connections regardless of IP architecture
- Integrates with Digi Connect WAN, Digi Connect Remote Gateway and Digi Connect embedded modules for remote device management
- Up to 256-bit AES security provides encryption and authentication for management communications via Digi Connectware Manager
- Lowers administrative maintenance costs by reducing onsite visits to remote locations
- Generates alarms and alerting for remote diagnostics
- Provides secure access to all devices from web browser, anywhere
- Compatible with Windows 2000, Windows XP, Windows Server 2003 and Linux systems



Manage many devices
at the same time with
just a few clicks



Easy, web based
configuration

+

+ How it Works ::



Digi Connectware Manager is installed on a server at the customer site or at a Digi ASP partner. Administrators may securely log into Digi Connectware Manager from anywhere across an IP network (including the Internet) to access the application.

Digi Connectware Manager addresses the complexities of managing many remote devices by offering an easy, secure central point of access for all devices. Common tasks such as configuration changes or firmware upgrades can be made to one or one hundred devices using the grouping feature. Tasks may even be automated using a scheduling function to particular groups of devices.

Users will also realize savings in time and money with features such as built-in monitoring of devices which provides real-time statistics and reports so that problems can be dealt with instantly, without deploying a technician on-site. Alerts can even be generated via email to individuals or groups.

Administrators can securely access Digi Connectware Manager from multiple locations using a standard web browser via an SSL connection. The software integrates seamlessly with Digi Connect WAN, Digi Connect Remote Gateway and Digi Connect embedded modules for remote device management applications. These solutions are able to communicate with Digi Connectware Manager using a built-in micro-client, which uses a secure 256-bit AES connection.

Log in to a live server to see how a real Digi Connectware Manager works: www.digi.com/digiconnectwaredemo.

Part Numbers ::

North America International

Model

Digi Connectware Manager

Please call

Please call

Five licenses free with Digi Connect WAN, Digi Connect Remote Gateway or Digi Connect embedded modules

Multiport Serial Cards

PCI/PCI-X/ISA Solutions

Our multiport serial card product line, including the original DigiBoard®, is the number one selling serial card product line in the world. Our solutions offer the highest level of operating system support, serial port capacity, I/O performance, transmission distance, environmental tolerance and upgradeability for all of your application needs.

As PCs and servers continue to become smaller, customers who utilize rack mount servers, for example, need smaller card solutions with increased port counts. This is causing demand to shift from ISA and high profile PCI to low profile PCI. Since we are committed to maintaining our position as the clear world leader in serial connectivity, we responded to this trend by extending our market-leading product line to include low profile bracket options.

Choose from High Performance, Expandable, Enhanced and Standard models to find the exact feature set your application requires.

High-Performance

Good at handling large batches of data (streaming video, printing) using microprocessors to off-load burden from PC

Expandable

Start with eight ports and grow to as many as 128 per PC slot

Enhanced and Standard

No microprocessor, so ideal for handling small bursts of data; very low latency

You might wonder whether our serial card solutions are supported in PCI-X systems. The answer is "Absolutely!" PCI-X is backwards-compatible with PCI cards and operates at 3.3 volts. All of our Universal PCI (3.3V and 5.5V) cards work in both the 32-bit and 64-bit slots of PCI-X systems.

What do you need to do?

- + Add 2 to 16 high-performance, intelligent, programmable serial ports..... **AccelePort Xp**
- + Add 4 to 8 RS-422 serial ports with broad OS compatibility **AccelePort Xr**
- + Utilize a cost-efficient serial connectivity solution that is expandable
to 64 ports per slot with rack options **AccelePort Xem**
- + Gain up to 128 highly-intelligent ports per slot with remote connectivity options..... **AccelePort C/X**
- + Install a serial card with low latency and flexible connector and power options
in a small form factor..... **Digi Neo**
- + Utilize a simple-to-install board with a 650 UART base..... **ClassicBoard**

+ Multiport Serial Cards – PCI/PCI-X/ISA Solutions

High-Performance

- AccelePort® Xppg. 94
- AccelePort Xr® 920pg. 96

Expandable

- AccelePort® C/Xpg. 98
- AccelePort® Xempg. 100

Enhanced

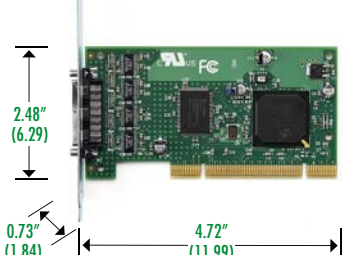
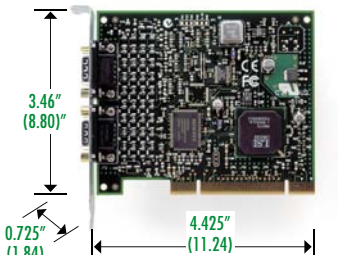
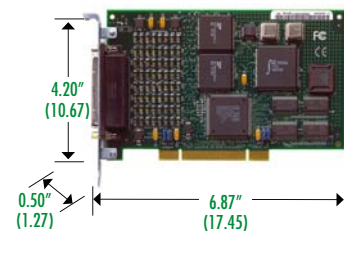
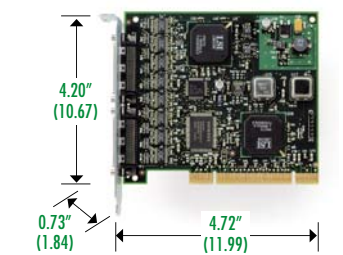
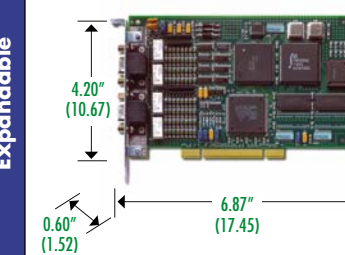
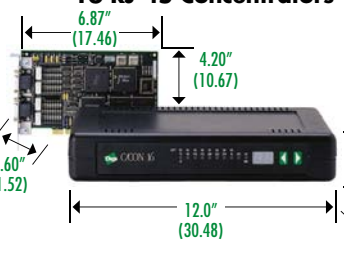
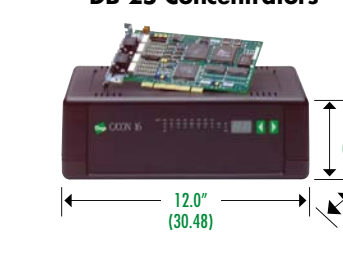
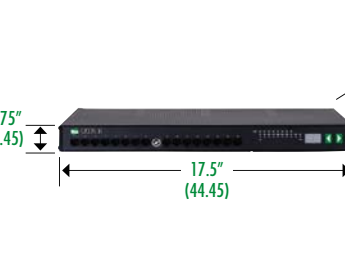
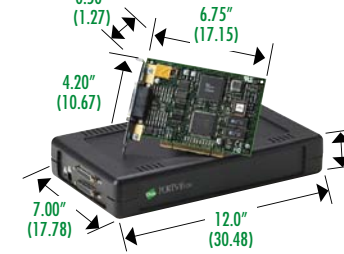
- Digi Neo®pg. 102

Standard

- ClassicBoard™pg. 104

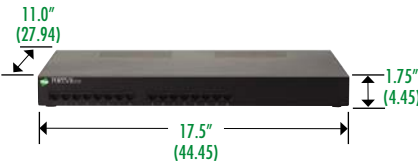
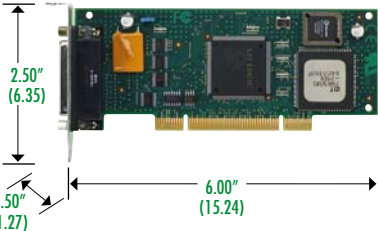
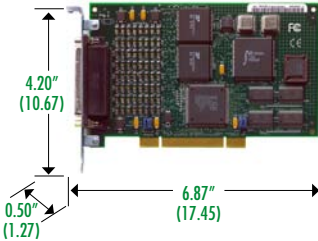
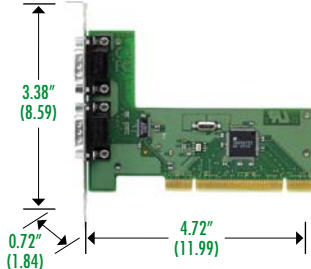
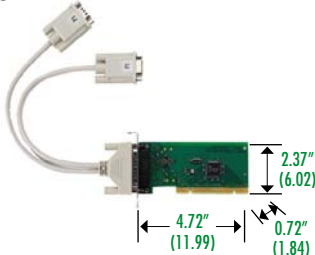
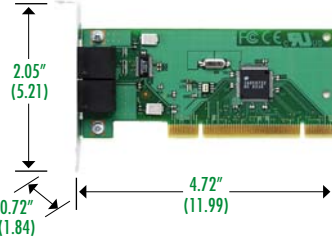
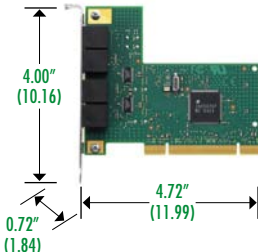
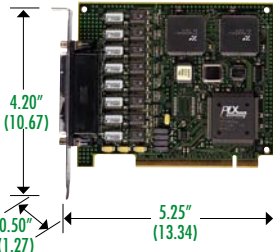


		High-Performance	AccelePort Xp	AccelePort Xr 232	AccelePort Xr 422	Expandable	AccelePort C/X	AccelePort Xem 232	AccelePort Xem 422	Enhanced	Digi Neo	Standard	ClassicBoard PCI	ClassicBoard ISA
Multiport Serial Card Features Chart	Bus Type	PCI/PCI-X	PCI/PCI-X		PCI/PCI-X	PCI/PCI-X /ISA		PCI/PCI-X					PCI (5V)	ISA
	Serial Ports	2/4/8/16	2/4/8 4/8		8 to 128	8 to 64		1/2/4/8					4/8	4/8
	Serial Type	RS-232	RS-232 RS-422		RS-232	RS-232 RS-422		RS-232					RS-232/422	RS-232
	Serial Connector	RJ-45, DB-9, DB-25	RJ-45,DB-9, DB-25 DB-9,DB-25		RJ-45, DB-25	RJ-45, DB-25 DB-25		RJ-45, DB-9, DB-25					RJ-45, DB-9, DB-25 RJ-45, DB-9, DB-25	
	Baud	921.6 Kbps	Up to 921.6 Kbps 230 Kbps		115.2 Kbps	115.2 Kbps 115.2 Kbps		Exceeding 460.8 Kbps					Up to 460.8 Kbps 115.2 Kbps	
	Surge/ESD	15 kV	20 kV		15 kV	15 kV		15 kV					15 kV	
	Low Profile Models	4/8				8 to 64		1/2/4/8						

High-Performance	AccelePort Xp 4/8-Port  2.48" (6.29) 0.73" (1.84) 4.72" (11.99)	AccelePort Xp 2-Port PCI  3.46" (8.80) 0.725" (1.84) 4.425" (11.24)	AccelePort Xr 4/8-Port PCI  4.20" (10.67) 0.50" (1.27) 6.87" (17.45)
	AccelePort Xp 16-Port  4.20" (10.67) 0.73" (1.84) 4.72" (11.99)	AccelePort C/X - PCI Host Adapter  4.20" (10.67) 0.60" (1.52) 6.87" (17.45)	AccelePort C/X - C/CON-8 and -16 RJ-45 Concentrators  6.87" (17.46) 4.20" (10.67) 0.60" (1.52) 12.0" (30.48) 2.25" (5.72) 7.00" (17.78)
Expandable	AccelePort C/X - C/CON-16 DB-25 Concentrators  4.20" (10.67) 12.0" (30.48) 7.00" (17.78)	AccelePort C/CON Rack  1.75" (4.45) 17.5" (44.45) 11.00" (27.94)	AccelePort Xem  0.50" (1.27) 6.75" (17.15) 4.20" (10.67) 2.25" (5.72) 7.00" (17.78) 12.0" (30.48)

Measurements: inch
(cm)

		Windows 2000/XP/ Server 2003	Windows NT 4.0	Windows 95/98/ME	AIX	HP-UX	SCO OpenServer	SCO UnixWare	Solaris Intel	Solaris SPARC	Linux
Operating System Chart	AccelePort Xp	•	•	•	•	•	•	•	•	•	•
	AccelePort Xr	•	•	•	•	•	•	•	•	•	•
	AccelePort C/X	•	•	•	•	•	•	•	•	•	•
	AccelePort Xem	•	•	•	•	•	•	•	•	•	•
	Digi Neo	•	•	•		•					•
	ClassicBoard	•	•	•		•					•

Expandable	AccelePort Xem Rack 	AccelePort Xem (Low Profile) 	Enhanced	AccelePort Xr 422 4/8-Port PCI 
	Digi Neo - 2-Port DB-9 (High Profile) 	Digi Neo - 2-Port DB-9 (Low Profile) 		Digi Neo - 2-Port RJ-45 (Low Profile) 
Enhanced	Digi Neo - 4-Port RJ-45 	Standard	ClassicBoard - 4/8-Port PCI 	



AccelePort® Xp :: High-Performance Asynchronous Serial Cards

+



+

Overview :: AccelePort Xp Universal PCI (3.3V & 5V) cards are powerful, highly integrated 80 Mhz RISC processor-based products, delivering the highest performing design on the market today. They are available in two- to 16-port versions with a wide array of connector options, including onboard connectors, fan-out cables and external I/O boxes. AccelePort Xp is designed to enhance multiuser implementations such as retail/POS, industrial control processing, data collection and office automation.

+

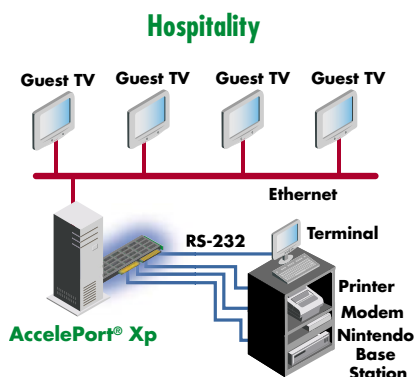
+

+ Features ::

- Two to 16 RS-232 serial connections for port configuration flexibility
- Small form factor meets low profile PCI specifications
- External options connect to the adapter via a small SCSI HD-68 connector, reducing cable clutter and increasing connection reliability
- Surge protection on all signals for superior reliability
- Bus mastering design reduces CPU utilization
- Simultaneously supports data speeds of 921.6 Kbps, bi-directionally on all ports
- Ideal for retail/POS, industrial control processing, data collection and office automation
- PortAssist® Manager web-based management and reporting software enables basic diagnostics, enhanced network administration and monitoring on most supported operating systems (see page 109)
- 5-year warranty

+ Specifications ::

- 2/4/8/16 RS-232 serial ports
- Low profile options for 4- and 8-port models
- DB-9, DB-25 and RJ-45 connectors
- PCI Universal Card (3.3V & 5V)
- 32- and 64-bit PCI slot
- PCI 2.3 compliant
- PCI-X compatible
- 80 Mhz RISC processor
- 921.6 Kbps throughput
- Full modem control
- Hardware/software handshaking
- 15 kV surge protection on all signals



AccelePort Xp 2 DB-9



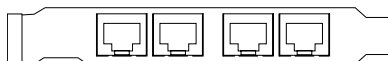
↑
DB-9M
Serial

AccelePort Xp 4/8 HD-68



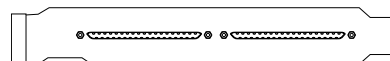
↑
HD-68
Pins

AccelePort Xp 4 RJ-45



↑
RJ-45
Serial

AccelePort Xp 16 Port HD-68



↑
HD-68
Pins

The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal
Card

Part Numbers ::

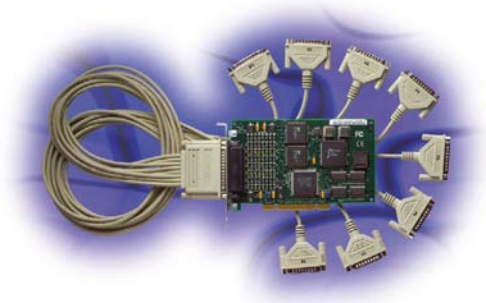
North America International

Model		
AccelePort Xp Universal PCI (3.3V & 5V) 2-Port RS-232 DB-9M On-Board	77000659	77000659
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232	77000706	77000706
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232 w/DB-25 Cable	70001549	70001549
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port Low Profile RS-232	77000845	77000845
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232 RJ-45 On-Board	77000838	77000838
AccelePort Xp Universal PCI (3.3V & 5V) 8-Port RS-232	77000707	77000707
AccelePort Xp Universal PCI (3.3V & 5V) 8-Port RS-232 w/DB-25 Cable	70001548	70001548
AccelePort Xp Universal PCI (3.3V & 5V) 8-Port Low Profile RS-232	77000846	77000846
AccelePort Xp Universal PCI (3.3V & 5V) 16-Port RS-232	77000708	77000708
AccelePort Xp Universal PCI (3.3V & 5V) 16-Port RS-232 w/RJ-45 Rack	70001557	70001557
AccelePort Xp Universal PCI (3.3V & 5V) 16-Port RS-232 w/DB-25 Rack	70001550	70001550
Accessories		
4-Port DB-25M Straight Fan-Out Cable	76000522	76000522
4-Port DB-9M Straight Fan-Out Cable	76000528	76000528
4-Port DB-25F Straight Fan-Out Cable	76000532	76000532
4-Port DB-9F Straight Fan-Out Cable	76000530	76000530
4-Port DB-25M Straight Connector Box w/Cable	76000524	76000524
4-Port DB-9M Straight Connector Box w/Cable	76000560	76000560
4-Port RJ-45 Straight Connector Box w/Cable	76000526	76000526
8-Port DB-25M Straight Fan-Out Cable	76000523	76000523
8-Port DB-9M Straight Fan-Out Cable	76000529	76000529
8-Port DB-25F Straight Fan-Out Cable	76000533	76000533
8-Port DB-9F Straight Fan-Out Cable	76000531	76000531
8-Port DB-25M Straight Connector Box w/Cable	76000525	76000525
8-Port DB-9M Straight Connector Box w/Cable	76000561	76000561
8-Port RJ-45 Straight Connector Box w/Cable	76000527	76000527
16-Port 2U 19" Rack w/DB-25M Connectors (use w/two 8-port AccelePort Xp cards)	76000587	76000587
16-Port 1U 19" Rack w/RJ-45 Connectors (use w/two 8-port AccelePort Xp cards)	76000588	76000588
HD-68M to DB-78F Converter (use with legacy accessories)	76000534	76000534

All cables and accessories: pg. 110, 113.

AccelePort® Xr 920 :: High-Performance Asynchronous Serial Cards

+



+

Overview :: The AccelePort Xr 920 family of high performance serial cards includes two-, four- and eight-port models, all with wide application flexibility and scalability. Available in PCI Universal Card (3.3V & 5V), RS-232 and RS-422 versions, they provide a variety of operating system support and accessories (fan-out cables and external I/O connector boxes), and an extra dose of multi-strike surge protection on every pin. AccelePort Xr 920 is ideal for multiuser and Remote Access Server (RAS) applications.

+

+

+ Features ::

- Flexible port and serial interface options
- RISC-based processor enhances overall system throughput by offloading CPU communication bottlenecks
- PCI and PCI-X compatible for use in older and newer machines
- Universal PCI bus slot supports 3.3V and 5V
- Full modem control and hardware and software flow control
- Heavy-duty surge protection on all pins for superior reliability
- Ideal for retail/POS, industrial control processing, data collection and office automation
- 5-year warranty

+ Specifications ::

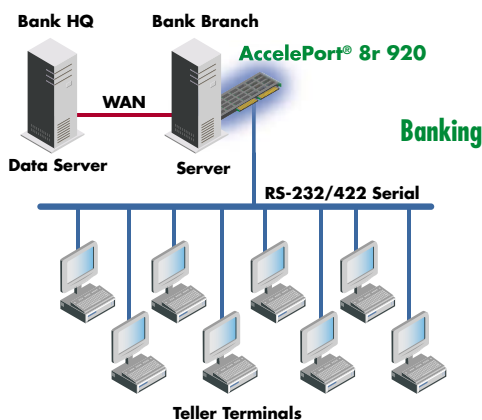
- 2/4/8 RS-232 serial port models
- 4/8 RS-422 serial port models
- DB-9, DB-25 and RJ-45 connector options
- 20 kV surge protection on all pins
- PCI Universal Card (3.3V & 5V)
- 32- and 64-bit PCI slot
- PCI 2.3 compliant
- PCI-X compatible
- Slave design
- Hardware/software handshaking

AccelePort Xr 920 RS-232

- Up to 921.6 Kbps throughput
- 16C654 Quad UARTs
- Software configurable bus port
- Full modem control

AccelePort Xr RS-422

- Up to 230 Kbps throughput
- 16C554 Quad UARTS



The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal
Card

AccelePort® Xr 920 :: High-Performance Asynchronous Serial Cards

Part Numbers ::

North America International

Model

AccelePort Xr 422

AccelePort Xr Universal PCI (3.3V & 5V) 4-Port RS-422 w/DB-25M Cable	70001193	70001193
AccelePort Xr Universal PCI (3.3V & 5V) 4-Port RS-422 w/DB-9F Cable	70001194	70001194
AccelePort Xr Universal PCI (3.3V & 5V) 8-Port RS-422 w/DB-25M Cable	70001199	70001199
AccelePort Xr Universal PCI (3.3V & 5V) 8-Port RS-422 w/DB-9F Cable	70001200	70001200

AccelePort Xr 920

AccelePort Xr 920 Universal PCI (3.3V & 5V) 2-Port RS-232 DB-9M On-Board	77000573	77000573
AccelePort Xr 920 Universal PCI (3.3V & 5V) 4-Port RS-232 w/DB-25M Cable	70001361	70001361
AccelePort Xr 920 Universal PCI (3.3V & 5V) 4-Port RS-232 (w/o cables)	77000560	77000560
AccelePort Xr 920 Universal PCI (3.3V & 5V) 8-Port RS-232 w/DB-25M Cable	70001362	70001362
AccelePort Xr 920 Universal PCI (3.3V & 5V) 8-Port RS-232 (w/o cables)	77000561	77000561

Accessories for AccelePort Xr

4-Port DB-9M Straight Fan-Out Cable	76000003	76000003
4-Port DB-25M Straight Fan-Out Cable	76000008	76000008
4-Port DB-25M Straight Connector Box	76000030	76000030
4-Port RJ-45 Connector Box	76000038	76000038
4-Port DB-25F Straight Fan-Out Cable	76000006	76000006
8-Port DB-9M Straight Fan-Out Cable	76002042	76002042
8-Port DB-25M Straight Fan-Out Cable	76000021	76000021
8-Port DB-25M Straight Connector Box	76000031	76000031
8-Port RJ-45 Connector Box	76000033	76000033
8-Port DB-25F Straight Fan-Out Cable	76000019	76000019

All cables and accessories: pg. 110, 115.

AccelePort® C/X :: Expandable Asynchronous Serial Cards

+



+

Overview :: If you think configuring a large-scale multiport system is a complex, time-consuming process, think again. The AccelePort C/X asynchronous concentrator is fast, simple and surprisingly flexible. It provides a sophisticated blend of technologies, including an intelligent host adapter plus a desktop or rack mounted AccelePort C/CON Concentrator with eight or 16 high-speed, surge-protected RS-232 serial ports. System expansion is painless – just add more concentrators when you need more ports.

+

+

+ Features ::

- Supports up to 128 ports from a single slot, hundreds of ports from a single host
- Delivers data transmission speeds up to 115.2 Kbps
- Supports serial ports just about anywhere – throughout a building, across town or around the world
- Configure and administer ports remotely, using synchronous modems, CSUs/DSUs, ISDN terminal adapters or fractional T1s
- On-board processing relieves host CPU of communication bottlenecks
- Available for PCI 3.3V or 5V (Universal Card)
- 5-year warranty

+ Specifications ::

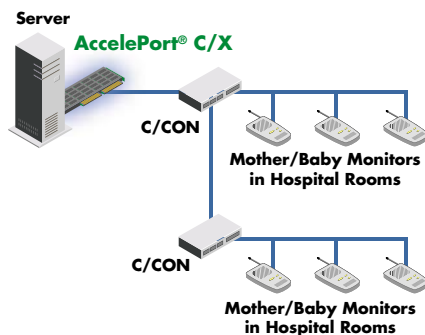
AccelePort C/X Host Adapters

- PCI Universal Card (3.3V/5V)
- 32- and 64-bit PCI slot
- PCI 2.3 compliant
- PCI-X compatible
- 85C30 serial communications controller, fully supported by DMA, driving two full-duplex, surge-protected RS-422 synchronous channels
- IDT 3041 RISC processor
- Hitachi 64570 serial communications controller
- Supports up to 3.7 Mbps bi-directional transmission speeds

AccelePort C/CON Concentrators

- 8/16 RS-232 asynchronous ports
- RJ-45 or DB-25 connectors
- 80186 processor on board
- One full-duplex RS-422 synchronous 85C30 channel with full DMA support
- Pass-through fault tolerance
- Surge protection on all RS-232 ports
- 120VDC or Universal 240VDC power supply included, 50-60 Hz (Universal)
- Desktop or 19-inch rack chassis available
- Front panel display for testing, debugging and monitoring concentrator performance

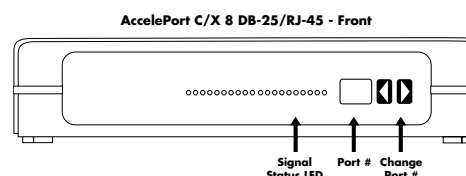
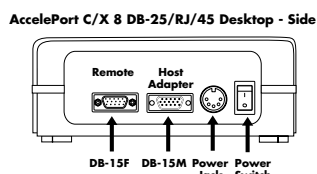
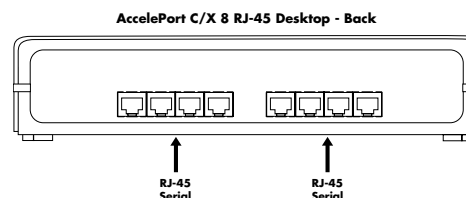
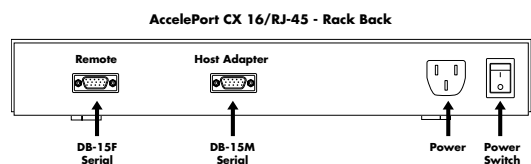
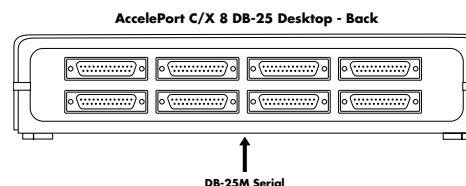
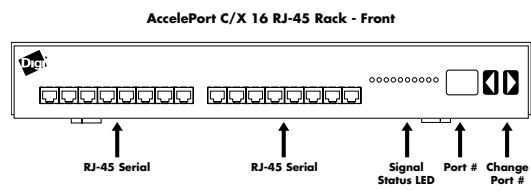
Nurses Station



The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal
Card

AccelePort® C/X :: Expandable Asynchronous Serial Cards



Part Numbers ::

North America International

Model

AccelePort C/X Universal PCI (3.3V & 5V) 8-Port RS-232 DB-25 Concentrator	70001229	70001230
AccelePort C/X Universal PCI (3.3V & 5V) 8-Port RS-232 RJ-45 Concentrator	70001171	70001172
AccelePort C/X Universal PCI (3.3V & 5V) 16-Port RS-232 DB-25 Concentrator	70001231	70001232
AccelePort C/X Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 Concentrator	70001167	70001168
AccelePort C/X Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 1U Rack	70001175	70001176

Additional Concentrators

AccelePort C/CON 8-Port RS-232 DB-25	76000218	76000219
AccelePort C/CON 8-Port RS-232 RJ-45	76000216	76000217
AccelePort C/CON 16-Port RS-232 DB-25	76000069	76000070
AccelePort C/CON 16-Port RS-232 RJ-45	76000067	76000068
AccelePort C/CON 16-Port RS-232 RJ-45 1U Rack	76000147	76000158

Host Adapter

AccelePort C/X Universal PCI (3.3V & 5V) RS-232	77000448	77000448
---	----------	----------

Accessories

AccelePort C/X Fiber Link Adapter	76000071	76000107
AccelePort C/CON Power Supply	76000351	76000694
19" Rack Chassis - 2U for AccelePort C/CON and Digi PORTS/Xem	76000611	76000611
AccelePort C/CON RS/6000 Compatibility Upgrade Kit (for 16-port C/CON only)	70001385	70001385
AccelePort C/X Host Adapter to RS-232 Sync Modem Cable	76000211	76000211
AccelePort C/X Host RS-232 Sync Modem to Remote Concentrator	76000212	76000212

All cables and accessories: pg. 110, 114.

AccelePort® Xem :: Expandable Asynchronous Serial Cards

+



+

Overview :: The AccelePort Xem asynchronous system is an expandable, modular and intelligent serial communication solution designed specifically for small to mid-size multiuser installations. It is especially well-suited for applications that are expected to start small and grow over time to as many as 64 ports.

+

+ Features ::

- Expandable up to 64 ports from a single host slot
- Eight- and 16-port concentrator boxes provide incremental expansion
- Universal PCI bus slot supports 3.3V & 5V
- Low profile PCI option
- ISA bus product available
- Delivers data speeds up to 115.2 Kbps
- Ideal for connecting modems, terminals, printers, instruments and other serial devices
- 1U 19-inch rack mount 16-port option
- 5-year warranty

+

+ Specifications ::

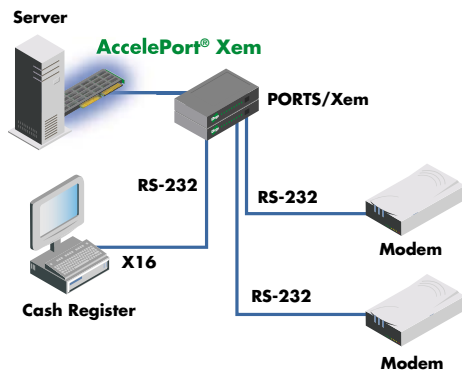
AccelePort Xem Host Card

- Supports both Universal PCI (3.3V & 5V) and ISA platforms
- PCI 2.3/PCI-X compatible
- 32- and 64-bit PCI slot
- Low profile PCI option
- Up to 115.2 Kbps throughput per port
- One host card supports up to four Digi PORTS modules, up to 64 ports
- On-board IDT 3081 RISC processor with patented Front End Processor/Operating System (FEP/OS)

Digi PORTS Modules

- Interchangeable between ISA and PCI platforms and PortServer® II
- 8 or 16 RS-232 serial ports (RJ-45 or DB-25)
- 1U 19-inch rack mount PORTS/16em for RS-232
- 16 RS-422 asynchronous serial ports (DB-25)
- Modules can connect to PortServer® II to expand port count up to 64 ports
- External Bus Interface (EBI) technology uses HD44 female connectors on PORTS modules to daisy-chain additional ports via 16-inch (40.6 cm) cable
- Surge protection on all signals
- Full modem control and hardware handshaking (CTS, RTS, DSR, DTR and DCD) on all channels

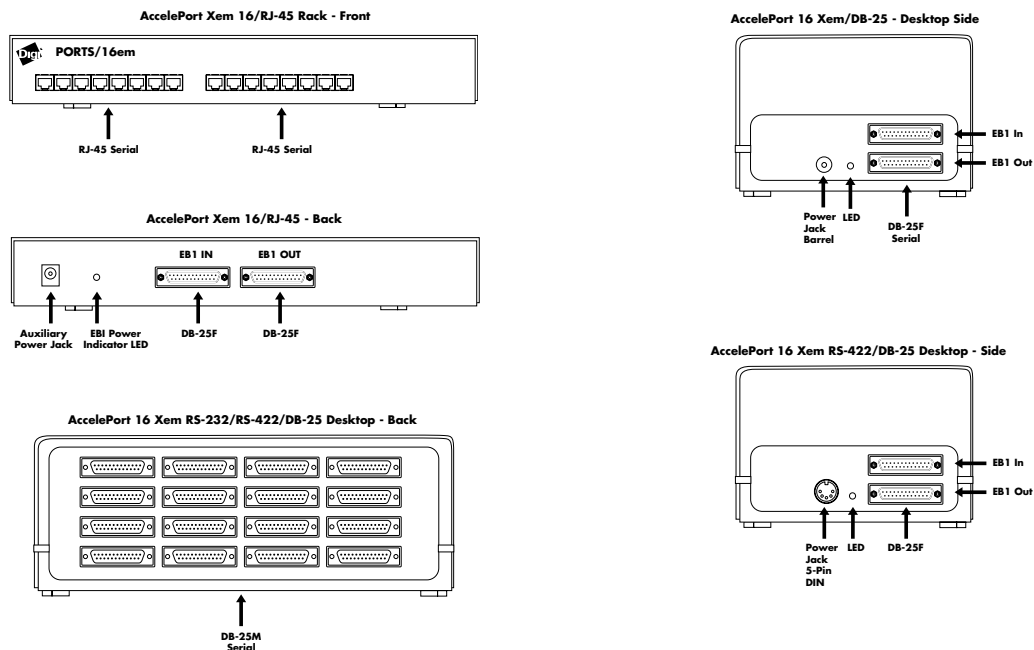
Point-of-Sale



The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal
Card

AccelePort® Xem :: Expandable Asynchronous Serial Cards



Part Numbers ::

North America International

Model

AccelePort Xem Universal PCI Kits

AccelePort Xem Universal PCI (3.3V & 5V) 8-Port RS-232 DB-25 Concentrator	70001208	70001208
AccelePort Xem Universal PCI (3.3V & 5V) 8-Port RS-232 RJ-45 Concentrator	70001206	70001206
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 DB-25 Concentrator	70001203	70001203
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 Concentrator	70001201	70001201
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 1U 19" Rack	70001757	70001757
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-422 DB-25 Concentrator	70001559	70001559

AccelePort Xem Low Profile Universal PCI Kits

AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 8-Port RS-232 w/DB-25 Concentrator	70002008	70002008
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 8-Port RS-232 w/RJ-45 Concentrator	70002009	70002009
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/DB-25 Concentrator	70002010	70002010
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/RJ-45 Concentrator	70002011	70002011
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/RJ-45 1U Rack	70002012	70002012
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-422 w/DB-25 Concentrator	70002017	70002017

Additional PORTS Modules

Digi PORTS/Xem 8-port RS-232 DB-25 Concentrator	76000120	76000120
Digi PORTS/Xem 8-port RS-232 RJ-45 Concentrator	76000122	76000122
Digi PORTS/Xem 16-port RS-232 DB-25 Concentrator	76000073	76000073
Digi PORTS/Xem 16-port RS-232 RJ-45 Concentrator	76000074	76000074
Digi PORTS/Xem 16-port RS-232 RJ-45 1U 19" Rack Concentrator	76000617	76000617
Digi PORTS/Xem 16-port RS-422 DB-25 Concentrator	76000535	76000548

Host Adapters

AccelePort Xem Universal PCI (3.3V & 5V)	77000455	77000455
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile	77000877	77000877

Accessories

AccelePort Xem Power Supply	76000109	76000321
19" Rack Chassis - 2U for AccelePort C/CON and Digi PORTS/Xem	76000611	76000611
16" Daisy Chain Cable	76000707	76000707
60" Daisy Chain Cable (host to PORTS module)	76000708	76000708
120" Daisy Chain Cable (host to PORTS module)	76000709	76000709

All cables and accessories: pg. 110, 116.
See website for complete specifications, including ISA models.

Digi Neo® :: Enhanced Asynchronous Serial Cards

+



+

Overview :: Digi Neo delivers reliable serial port expansion in standard and low profile Universal PCI boards, with throughput speeds exceeding 460.8 Kbps. Its low profile size makes it one of the smallest form factor serial card solutions on the market today – and the industry's first low profile eight-port solution on a single card. Extensive cabling and software driver options provide maximum flexibility in installations.

+

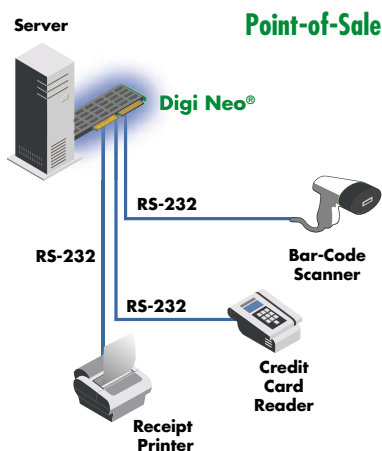
+

+ Features ::

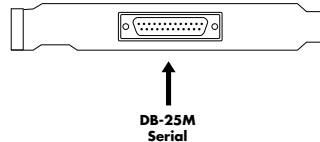
- Universal PCI (3.3V and 5.5V) bus slot support
- Enhanced monitoring and diagnostic tool for ease-of-use
- Flexible cabling/connector options
- Surge suppression on all signals ensures voltage fluctuations will not degrade data transmissions
- Low latency for reliable performance
- Powered serial port options
- Ideal for tight work spaces and specialized server/PC environments and applications such as retail/POS, industrial automation, factory control, kiosks and data collection
- Windows, UNIX and Linux driver support
- 5-year warranty

+ Specifications ::

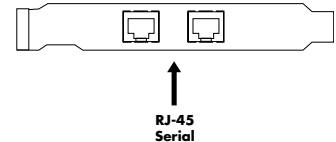
- 1/2/4/8 RS-232 serial ports
- DB-9, DB-25 and RJ-45 connectors
- Universal PCI (3.3V and 5V) platform
- 32- and 64-bit PCI slot
- Low profile options
- PCI-X/PCI 2.3 compatible
- Surge suppression (15kV) on all signals
- Throughput exceeding 460.8 Kbps
- Powered (5V) serial port options using Ring Indicator signal at 600mA
- Full modem control
- Hardware or software flow control
- Low latency - same or better than standard COM port
- Custom baud rates
- 16C850 UART equivalent



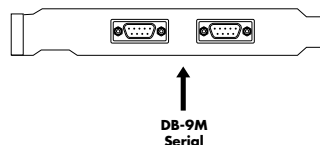
Digi Neo 1-Port DB-25



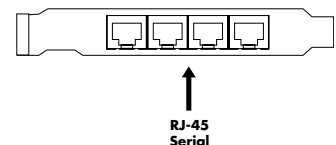
Digi Neo 2-Port RJ-45



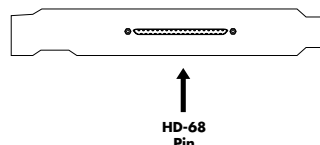
Digi Neo 2-Port DB-9



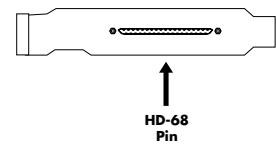
Digi Neo 4-Port RJ-45



Digi Neo 4/8-Port



Digi Neo 4/8-Port Low Profile



The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal
Card

Part Numbers ::

North America International

Model

Universal PCI (3.3V & 5V) RS-232

Digi Neo Universal PCI (3.3V & 5V) 1-Port DB-25M	77000864	77000864
Digi Neo Universal PCI (3.3V & 5V) 2-Port DB-9M	77000847	77000847
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45	77000848	77000848
Digi Neo Universal PCI (3.3V & 5V) 4-Port RJ-45	77000855	77000855
Digi Neo Universal PCI (3.3V & 5V) 4-Port w/o Cables	77000857	77000857
Digi Neo Universal PCI (3.3V & 5V) 8-Port w/o Cables	77000858	77000858
Digi Neo Universal PCI (3.3V & 5V) 4-Port w/DB-25M Fan-Out Cables	70001946	70001946
Digi Neo Universal PCI (3.3V & 5V) 8-Port w/DB-25M Fan-out Cables	70001947	70001947

Universal PCI (3.3V & 5V) Low Profile RS-232

Digi Neo Universal PCI (3.3V & 5V) Low Profile w/2-Port DB-9M Fan-Out Cable	70001965	70001965
Digi Neo Universal PCI (3.3V & 5V) 1-Port DB-25M Low Profile	77000865	77000865
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45 Low Profile	77000849	77000849
Digi Neo Universal PCI (3.3V & 5V) 4-Port Low Profile (board only)	77000835	77000835
Digi Neo Universal PCI (3.3V & 5V) 8-Port Low Profile (board only)	77000836	77000836

Powered (5V) Serial Ports RS-232

Digi Neo Universal PCI (3.3V & 5V) 2-Port DB-9M	77000851	77000851
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45	77000852	77000852
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45 Low Profile	77000853	77000853
Digi Neo Universal PCI (3.3V & 5V) 4-Port RJ-45	77000856	77000856

Digi Neo Cable Upgrade Kit

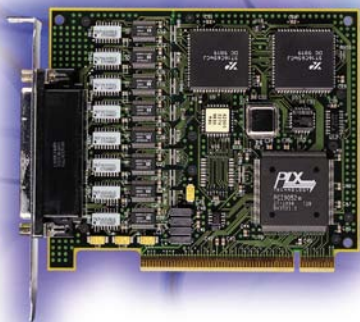
Digi Neo 2-Port DB-9M Fan-Out Cable	76000713	76000713
-------------------------------------	----------	----------

Digi Neo HD-68 Cabling Accessories

4-Port DB-25M Straight Fan-Out Cable	76000522	76000522
4-Port DB-9M Straight Fan-Out Cable	76000528	76000528
4-Port DB-25F Straight Fan-Out Cable	76000532	76000532
4-Port DB-9F Straight Fan-Out Cable	76000530	76000530
4-Port DB-25M Straight Connector Box w/Cable	76000524	76000524
4-Port DB-9M Straight Connector Box w/Cable	76000560	76000560
4-Port RJ-45 Straight Connector Box w/Cable	76000526	76000526
8-Port DB-25M Straight Fan-Out Cable	76000523	76000523
8-Port DB-9M Straight Fan-Out Cable	76000529	76000529
8-Port DB-25F Straight Fan-Out Cable	76000533	76000533
8-Port DB-9F Straight Fan-Out Cable	76000531	76000531
8-Port DB-25M Straight Connector Box w/Cable	76000525	76000525
8-Port DB-9M Straight Connector Box w/Cable	76000561	76000561
8-Port RJ-45 Straight Connector Box w/Cable	76000527	76000527
16-Port 2U 19" Rack w/DB-25M Connectors (use w/two 8-port Digi Neo cards)	76000587	76000587
16-Port 1U 19" Rack w/RJ-45 Connectors (use w/two 8-port Digi Neo cards)	76000588	76000588
HD-68M to DB-78F Converter (use with legacy accessories)	76000534	76000534

All cables and accessories: pg. 110, 113.

ClassicBoard™ :: Enhanced Asynchronous Serial Cards



Overview :: The ClassicBoard family of PCI and ISA serial cards is best suited for applications where the CPU is able to devote some of its resources to handling computations or for real-time applications that require short latency intervals. It is ideal for connecting cash registers, print receipt devices, scanners and other peripheral devices in retail POS systems as well in applications using peripherals such as sensors, switches, measurement devices and more.

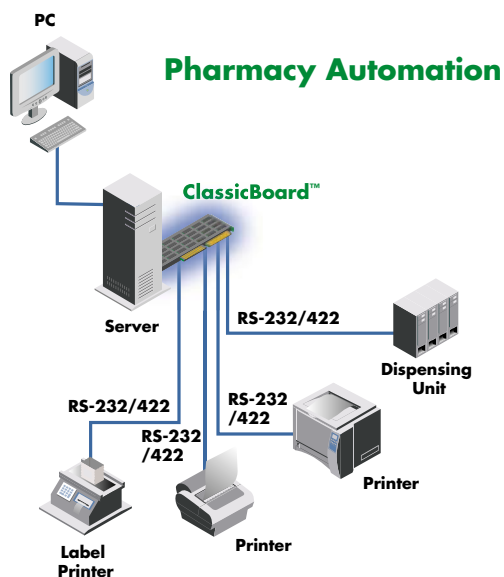
+ Features ::

- Cost-effective solution for retail/POS systems, Electronic Data Interchange (EDI), industrial automation and other applications where low latency is required
- ISA and PCI bus support
- RS-232 and RS-422 models for cabling flexibility
- Easy to install – no DIP switches or jumpers to set
- Every signal safeguarded by built-in surge protection
- 5-year warranty

+ Specifications ::

- 4/8 RS-232 or RS-422 serial ports
- DB-9, DB-25 and RJ-45 connectors
- Supports speeds up to 460.8 Kbps
- 32-bit PCI slot
- Full-duplex operation
- Multi-strike surge suppression on every signal
- 16C654 UARTs providing automatic flow control and 64-byte FIFO
- Supports auto configuration of all PCI interrupts
- Powered (5V) serial port options using Ring Indicator signal @ 600 mA

See website for complete specifications, including ISA models.



Part Numbers ::

North America International

Model		
ClassicBoard RS-232 PCI (PCI 5V)		
ClassicBoard PCI (5V) 4-Port RS-232 w/o Cables	77000576	77000576
ClassicBoard PCI (5V) 8-Port RS-232 w/o Cables	77000578	77000578
ClassicBoard PCI (5V) 4-Port w/Powered 5V Serial Ports RS-232 w/o Cables	77000771	77000771
ClassicBoard PCI (5V) 8-Port w/Powered 5V Serial Ports RS-232 w/o Cables	77000770	77000770
ClassicBoard RS-422 PCI (PCI 5V)		
ClassicBoard PCI (5V) 4-Port RS-422	77000862	77000862
ClassicBoard PCI (5V) 8-Port RS-422	77000863	77000863
Accessories for RS-232		
4-Port Straight DB-9M Fan-Out Cable	76000003	76000003
8-Port Straight DB-9M Fan-Out Cable	76002042	76002042
4-Port Straight DB-25M Fan-Out Cable	76000008	76000008
8-Port Straight DB-25M Fan-Out Cable	76000021	76000021
4-Port Straight DB-25M Connector Box	76000030	76000030
8-Port Straight DB-25M Connector Box	76000031	76000031
4-Port RJ-45 Connector Box	76000038	76000038
8-Port RJ-45 Connector Box	76000033	76000033
4-Port Straight DB-25F Fan-Out Cable	76000006	76000006
8-Port Straight DB-25F Fan-Out Cable	76000019	76000019
Accessories for RS-422		
4-Port DB-9F RS-422 Fan-Out Cable	76000002	76000002
8-Port DB-9F RS-422 Fan-Out Cable	76000014	76000014
4-Port DB-9M RS-422 Fan-Out Cable	76000004	76000004
8-Port DB-9M RS-422 Fan-Out Cable	76000017	76000017
4-Port DB-25M RS-422 Fan-Out Cable	76000178	76000178
8-Port DB-25M RS-422 Fan-Out Cable	76000179	76000179

All cables and accessories: pg. 110, 115.

ISA solutions also available. See our website for details.

Multi-Modem Communication Adapters

High-Speed Analog Solutions

The AccelePort RAS® family of multi-modem communication adapters provides the widest compatibility and most powerful performance available for demanding applications such as fax servers, remote access, data acquisition and modem pooling.

High-Speed Multi-Modem Adapters Support Four or Eight Channels

AccelePort RAS multi-modem adapters integrate high density analog modems supporting four or eight channels in a single PCI slot. Multiple AccelePort RAS cards can be installed in a single server so capability can be added as system needs grow.

Advanced DSPs Support V.90 Modem and Advanced Fax Communications

The dense modem technology built into the AccelePort RAS hardware is based on industry-standard Digital Signal Processors (DSPs). On-board DSPs provide advanced modem and fax support and maximize the efficiency of each communications channel. Each AccelePort RAS channel operates independently and supports the widest range of analog clients for complete and accurate call completion at the highest data rate possible.

OS Integration and Use of Standard APIs

AccelePort RAS integrates with and takes advantage of the inherent communication capabilities already built into your OS environment. Use of standard APIs means installation and management of your ports is completely familiar and intuitive to network administrators. In addition, AccelePort RAS facilitates simple deployment of software application solutions based on existing interfaces provided in the OS.

What do you need to do?

- + Manage multiple fax machines in a small business to a single sever **AccelePort RAS**
- + Data collection/acquisition via multiple analog modems **AccelePort RAS**
- + Back room remote access to various company branches..... **AccelePort RAS**

+ Multi-Modem Communication Adapters – High-Speed Analog Solutions

Multi-Modem Communication Adapters

- AccelePort RAS®pg. 107

Management Tools/Special Features

- PortAssist Managerpg. 109

AccelePort RAS® :: Multi-Modem Communication Adapters

Overview :: AccelePort RAS multi-modem analog adapters provide high-performance and cost-effective communication abilities. They are the ideal choice for a wide variety of applications including data acquisition, fax connectivity, Remote Access Services (RAS), modem pooling and branch office gateways.

+

+



+

+

+ Features ::



- Up to eight ports with full V.90 modem and fax support
- Highly flexible design based on Digital Signal Processors (DSPs)
- Universal PCI adapter supporting 3.3V and 5V PCI systems
- Scalable system architecture allows additional boards to be added to the system
- Wide operating system and third-party application support
- PortAssist® Manager software included for web-based monitoring and control
- Software and hardware modem reset of individual modems
- Ideal for data acquisition, RAS, modem pooling, branch office gateways and fax connectivity
- 5-year warranty

+ Specifications ::



- 4/8 analog modems per slot
- RJ-11 modular connectors

Modem Type

- DSP
- Software upgradeable

Bus Type

- 32-bit PCI
- Bus Master Design
- Universal 3.3V and 5V PCI support
- PCI/PCI-X compatible

Fax Feature Set

- Fax class 2/2.0
- Class 2.0 Error Correction Mode
- Supports all optional class 2.0 data format conversions including:
 - Normal Image
 - Fine Image
 - MH (1D) Image Conversion
 - MR (2D) Image Conversion
 - MMR Image Conversion
- Copy Quality Checking and Receive Quality Thresholds
- Adaptive Answering
- Automatic Page Header Generation (TSI Banner)
- Distinctive Ring

Modem Standards Compatibility Data Modes

- V.90
- K56flex
- V.34, V.32 bis, V.32, V.24 bis, V.23, V.22bis, V.22, V.21
- Bell 212a, Bell 103,

Compression

- V.42 bis
- MNP Class 2, 4, and 5

Error Correction

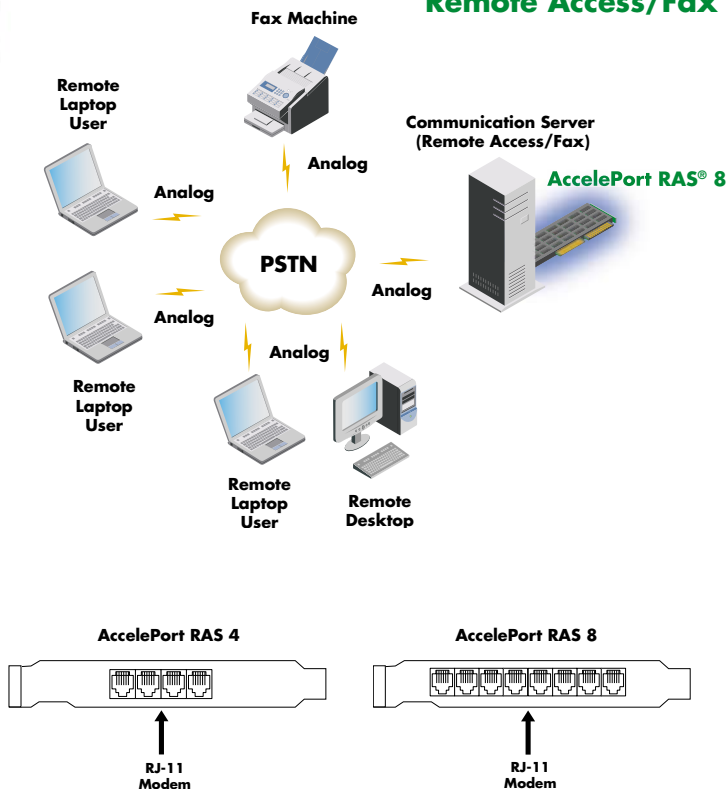
- V.42

Fax Modes

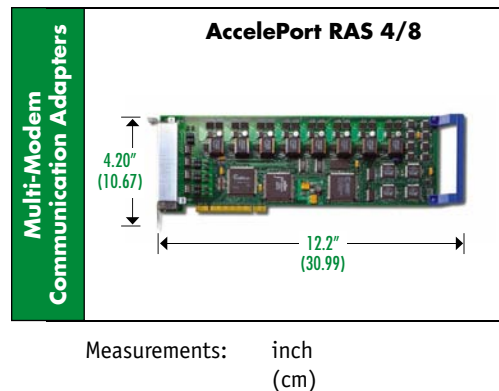
- Group 3
- V.17, V.29, V.27 ter, V.21 channel 2

See website for complete specifications.
USB RAS solutions also available (pg. 74).

Remote Access/Fax



AccelePort RAS Features Chart		AccelePort RAS
Modem Ports		4/8
Modem Connector		RJ-11
Modem Type		DSP
Bus Type		32-bit PCI (3.3V & 5V)
Data Modes		V.90, 56 K flex
Operating Temperature		0° C to 50° C
Reset Modes		Software and hardware
Fax Class		2/2.0
Software Upgradable		Yes



	Windows 2000/XP/Server 2003	Windows NT 4.0	AIX	HP-UX	Linux	SCO OpenServer	SCO UnixWare	Solaris Intel	Solaris SPARC
AccelePort RAS	•	•	•	•	•	•	•	•	•

Part Numbers ::

Model	
AccelePort RAS 4 North America	77000616
AccelePort RAS 4 Europe	77000617
(Austria, Belgium, Denmark, Finland, Greece, Iceland, Italy, Ireland, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, UK)	
AccelePort RAS 4 Germany, South Africa	77000618
AccelePort RAS 4 Australia, New Zealand, Switzerland	77000619
AccelePort RAS 4 Latin America (Mexico, Argentina, Chile)	77000775
AccelePort RAS 4 Asia (Japan, Singapore, Hong Kong, Korea, Taiwan)	77000776
AccelePort RAS 4 Israel, Hungary	77000777
AccelePort RAS 8 North America	77000583
AccelePort RAS 8 Europe	77000584
(Austria, Belgium, Denmark, Finland, Greece, Iceland, Italy, Ireland, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, UK)	
AccelePort RAS 8 Germany, South Africa	77000585
AccelePort RAS 8 Australia, New Zealand, Switzerland	77000586
AccelePort RAS 8 Latin America (Mexico, Argentina, Chile)	77000772
AccelePort RAS 8 Asia (Japan, Singapore, Hong Kong, Korea, Taiwan)	77000773
AccelePort RAS 8 Israel, Hungary	77000774

Overview :: Digi's PortAssist Manager is a web-based monitoring and control tool for AccelePort Xp asynchronous serial cards and AccelePort RAS multi-modem analog adapters. It consists of three key components:

Server

The server component of PortAssist Manager acquires and processes information from the communication agents on the network, and makes it available to clients through a web browser interface. The system hosting the PortAssist Manager server must run a supported operating system and a Java Virtual Machine version 1.1 (or greater).

Communication Agent

The communication agent is the link between the actual Digi product and the server. The Digi product and its communication agent need to be installed on the same system in order to enable communication with the PortAssist Manager server component.

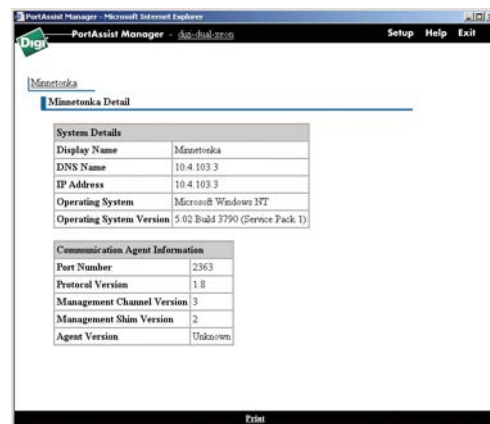
Client

Any system running Netscape Navigator 4.0 (or greater) and Microsoft Internet Explorer 4 (or greater).

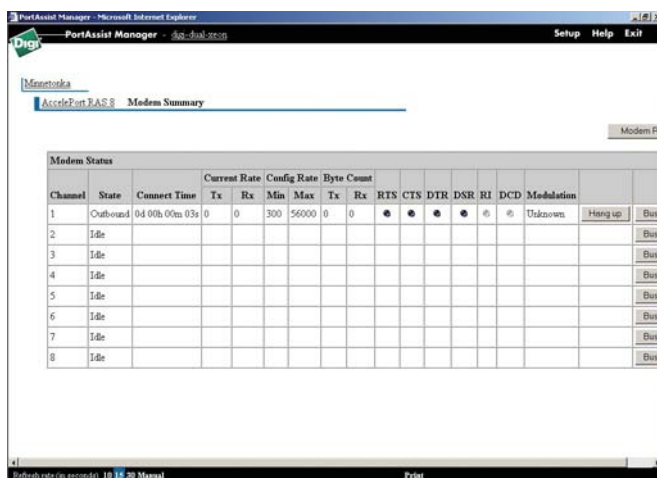
+ Features ::

- Monitoring and managing capabilities for up to 16 systems per application
- Alerting of alarm conditions
- Line statistics and status information
- Hang up, modem reset and busy out functionality for AccelePort RAS

Network View screen showing four systems



Line View screen showing the layout of the navigation and the first level of statistics available for modem and channel connections



Modem Reset screen showing the modem reset function



Options/Accessories :: Cabling, Mounting and More

PortServer® TS Family (RJ-45 Ports), Digi One® Family (DB-9 Ports), Digi Neo®, Digi Connect® WAN, Digi Connect® RG, AccelePort® Xp ::

With RJ-45 Connector Boxes: ClassicBoard™, AccelePort® C/X, AccelePort® Xem, AccelePort Xr 920 ::



Part Numbers ::	North America	International
Cables		
24" RJ-45/DB-25M Straight Cable	76000129	76000129
48" RJ-45/DB-25M Straight Cable	76000195	76000195
48" RJ-45/DB-25F Crossover Cable	76000644	76000644
24" RJ-45/DB-25F Straight Cable	76000198	76000198
48" RJ-45/DB-25F Straight Cable	76000199	76000199
24" RJ-45/DB-9F Straight Cable	76000200	76000200
48" RJ-45/DB-9F Straight Cable	76000201	76000201
48" RJ-45/DB-25M Crossover Cable	76000238	76000238
24" RJ-45/DB-9M Straight Cable	76000239	76000239
48" RJ-45/DB-9M Straight Cable	76000240	76000240
48" RJ-45/DB-9F Crossover Cable	76000645	76000645
24" RJ-45/DB-25M Printer Cable	76000643	76000643
48" RJ-45/DB-9M Crossover Cable	76000264	76000264
48" DB-9F/DB-9F Crossover Cable (works with all DB-9 products)	76000642	76000642
RJ-45 10-Pin to RJ-45 8-Pin Modem Cable	76000566	76000566
48" RJ-45 Bare Wire Cable	76000723	76000723
48" DB-9 Bare Wire Cable (Digi One devices)	76000724	76000724
6' RJ-45 to Sun Netra/Cisco RJ-45 Cable	76000631	76000631
6' Bundle of 8 RJ-45 to Sun Netra/Cisco RJ-45 Cable	76000632	76000632
6' Bundle of 16 RJ-45 to Sun Netra/Cisco RJ-45 Cable	76000633	76000633
Digi Cable Evaluation Kit	76000663	76000663
Cable Adapters		
RJ-45F/DB-9F Console Adapter (4-pack)	76000697	76000697
RJ-45F/DB-25M Console Adapter (4-pack)	76000698	76000698
RJ-45F/DB-25F Console Adapter (4-pack)	76000699	76000699
RJ-45F/DB-25M Modem Adapter (4-pack)	76000700	76000700
RJ-45F/DB-9M Modem Adapter (4-pack)	76000701	76000701
RJ-45F/DB-25M Printer Adapter (4-pack)	76000692	76000692
Digi Cable Adapter Evaluation Kit	76000693	76000693

Options/Accessories :: Cabling, Mounting and More

Digi One® Family, PortServer® TS Family, Digi Connect® WAN, Digi Connect® RG ::

+ + + +



+ + + +

Part Numbers :: North America International

Mounting Options

Rack Mount Shelf - PortServer TS (4 units of PortServer TS 2/4 or 2 units of PortServer TS 8)	76000676	76000676
Wall Mount Bracket with Power Cord Holder - Digi Connect WAN, Digi Connect RG, PortServer TS 1/2/4 (RS-232/422/485 only)	76000640	76000640
Wall Mount Bracket - Digi One RealPort, PortServer TS 1/2/4	76000641	76000641
DIN Rail Bracket Kit - Digi Connect WAN, Digi Connect RG, PortServer TS 1/2/4	76000682	76000682
Wall Mount Bracket Kit - Digi One SP	76000662	76000662
23" Telco Rack Mount Kit - PortServer TS 16 Rack	76000689	76000689

Power Supplies - PortServer TS, Digi Connect WAN, Digi Connect RG

Extended Temperature Power Supply	76000717	76000717
Replacement 120-240VAC Input Power Supply	76000654	76000654
PortServer TS 8 48VDC Power Supply	76000696	76000696

Digi CM™ ::

+ + + +



+ + + +

Part Numbers :: North America International

Cable Adapters

RJ-45F/DB-25M Modem Adapter (8-pack)	76000670	76000670
RJ-45F/DB-9F Console Adapter (8-pack)	76000671	76000671
RJ-45F/DB-25M Console Adapter (8-pack)	76000672	76000672
RJ-45F/DB-25F Console Adapter (8-pack)	76000673	76000673
RJ-45F/DB-9M Modem Adapter (8-pack)	76000702	76000702

Power Supplies

Digi CM 8-Port 120-240VAC Power Supply	76000695	76000695
--	----------	----------

Mounting Options

23" Telco Rack Mount Kit - Digi CM 16/32	76000689	76000689
19" Rack Mount Kit - Digi CM 8	76000705	76000705

Options/Accessories :: Cabling, Mounting and More

**AnywhereUSB®, Edgeport®, Hubport®, Rapidport/4®, USB Plus Series,
Watchport®/V2, Wavespeed®/LAN ::**



 **Part Numbers ::** North America International 

Cables

1-Meter A to B USB Cable	301-9000-01	301-9000-01
2-Meter A to B USB Cable	301-9000-07	301-9000-07
3-Meter A to B USB Cable	301-9000-06	301-9000-06
4-Meter A to B USB Cable	301-9000-10	301-9000-10
5-Meter A to B USB Cable	301-9000-02	301-9000-02
5-Meter USB Repeater Cable	301-9002-01	301-9002-01
6' USB to Parallel Printer Cable	301-9006-01	301-9006-01

Cable Adapters

Edgeport/E USB Ethernet Adapter	301-1050-01	301-1050-01
USB Upgrade Kit PCI to USB Expansion Card	301-1101-01	301-1101-01

Mounting Options

Edgeport 19" Rack Mount Kit	301-9001-01	301-9001-01
Edgeport/4 Wall/Shelf Mount Bracket	301-9003-01	301-9003-01
Edgeport/8 Wall/Shelf Mount Bracket	301-9004-01	301-9004-01

USB Camera Accessories

Watchport/V USB Camera Lens Pack (3 mm wide angle, 8 mm close-up, 12 mm telephoto)	301-9015-01	301-9015-01
Watchport/V Wall Mount	301-9018-01	301-9018-01
Watchport/V Clamp Mount	301-9019-01	301-9019-01

Options/Accessories :: Cabling, Mounting and More

AccelePort® Xp, Digi Neo® ::



Part Numbers ::	North America	International
Connector Options		
4-Port DB-25M Straight Fan-Out Cable	76000522	76000522
4-Port DB-25F Straight Fan-Out Cable	76000532	76000532
4-Port DB-9M Straight Fan-Out Cable	76000528	76000528
4-Port DB-9F Straight Fan-Out Cable	76000530	76000530
4-Port DB-25M Straight Connector Box	76000524	76000524
4-Port DB-9M Straight Connector Box	76000560	76000560
4-Port RJ-45 Straight Connector Box	76000526	76000526
8-Port DB-25M Straight Fan-Out Cable	76000523	76000523
8-Port DB-25F Straight Fan-Out Cable	76000533	76000533
8-Port DB-9M Straight Fan-Out Cable	76000529	76000529
8-Port DB-9F Straight Fan-Out Cable	76000531	76000531
8-Port DB-25M Straight Connector Box	76000525	76000525
8-Port DB-9M Straight Connector Box	76000561	76000561
8-Port RJ-45 Straight Connector Box	76000527	76000527
HD-68M to DB-78F Converter	76000534	76000534
10' HD-68 Pin Cable	76000559	76000559
Mounting Options		
16-Port 2U 19" Rack w/DB-25M Connectors	76000587	76000587
16-Port 1U 19" Rack w/RJ-45 Connectors	76000588	76000588
Digi Neo Upgrade Kit		
Digi Neo 2-Port DB-9M Fan-Out Cable	76000713	76000713

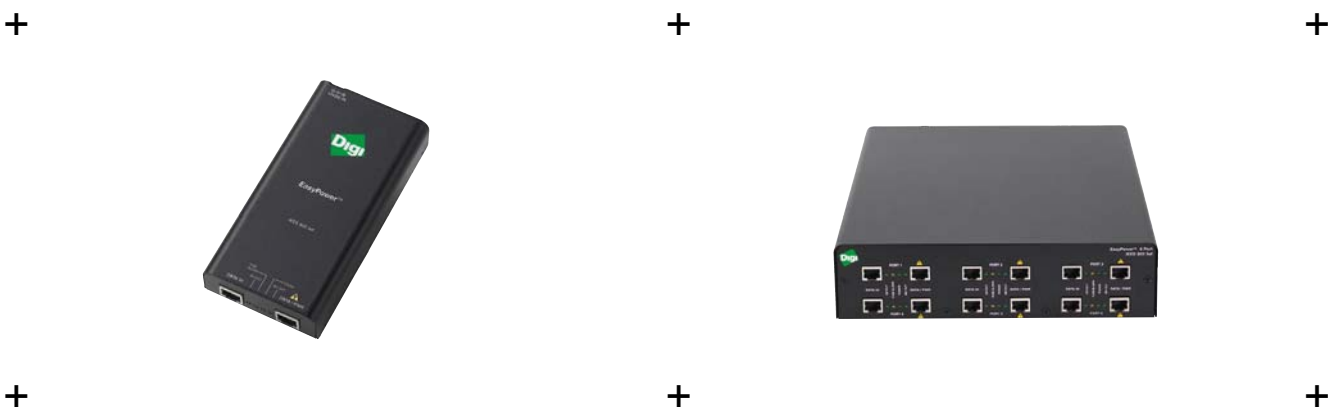
Options/Accessories :: Cabling, Mounting and More

AccelePort® C/X ::



Part Numbers ::	North America	International
Power Supplies		
AccelePort C/CON Power Supply	76000351	N/A
Acceleport C/CON Desktop 120-240VAC Power Supply	76000694	76000694
Upgrade Kit		
AccelePort C/CON RS/6000 Compatibility Upgrade Kit (for 16-port C/CON only)	70001385	70001385
Accessories		
AccelePort C/X Fiber Link Adapter	76000071	76000107
AccelePort C/X Host Adapter to RS-232 Sync Modem Cable	76000211	76000211
AccelePort C/X Host RS-232 Sync Modem to Remote Concentrator	76000212	76000212
Mounting Options		
19" Rack Chassis - 2U for AccelePort C/CON and Digi PORTS/Xem	76000611	76000611

Digi EasyPower™ ::



Part Numbers ::	North America	International
Power Supplies		
Digi EasyPower 1 - 1 power and data port	76000660	76000714
Digi EasyPower 6 - 6 power and data ports	76000661	76000715

Options/Accessories :: Cabling, Mounting and More

AccelePort® Xr 920, ClassicBoard™ ::



Part Numbers ::

North America

International

Connector Options - RS-232

4-Port DB-25M Straight Fan-Out Cable	76000008	76000008
4-Port DB-9M Straight Fan-Out Cable	76000003	76000003
4-Port DB-25F Straight Fan-Out Cable	76000006	76000006
4-Port DB-9F Straight Fan-Out Cable	76000001	76000001
4-Port DB-25M Straight Connector Box	76000030	76000030
4-Port RJ-45 Connector Box	76000038	76000038
4-Port DB-25F Straight Connector Box	76000026	76000026
8-Port DB-25M Straight Fan-Out Cable	76000021	76000021
8-Port DB-9M Straight Fan-Out Cable	76002042	76002042
8-Port DB-25F Straight Fan-Out Cable	76000019	76000019
8-Port DB-25M Straight Connector Box	76000031	76000031
8-Port RJ-45 Connector Box	76000033	76000033
8-Port DB-25F Straight Connector Box	76000027	76000027

Connector Options - RS-422

4-Port RS-422 DB-9F Fan-Out Cable - AccelePort Xr, ClassicBoard	76000002	76000002
4-Port RS-422 DB-9M Fan-Out Cable - AccelePort Xr, ClassicBoard	76000004	76000004
4-Port RS-422 DB-25M Fan-Out Cable - AccelePort Xr, ClassicBoard	76000178	76000178
8-Port RS-422 DB-9F Fan-Out Cable - AccelePort Xr, ClassicBoard	76000014	76000014
8-Port RS-422 DB-9M Fan-Out Cable - AccelePort Xr, ClassicBoard	76000017	76000017
8-Port RS-422 DB-25M Fan-Out Cable - AccelePort Xr, ClassicBoard	76000179	76000179

Options/Accessories :: Cabling, Mounting and More

AccelePort® Xem ::



Part Numbers ::	North America	International
Cables		
16" Daisy Chain Cable	76000707	76000707
60" Daisy Chain Cable	76000708	76000708
120" Daisy Chain Cable	76000709	76000709
Power Supply		
AccelePort Xem Power Supply	76000109	76000321
Mounting Option		
19" Rack Chassis - 2U for AccelePort C/CON and Digi PORTS/Xem	76000611	76000611

EtherLite®, Edgeport®/8r ::



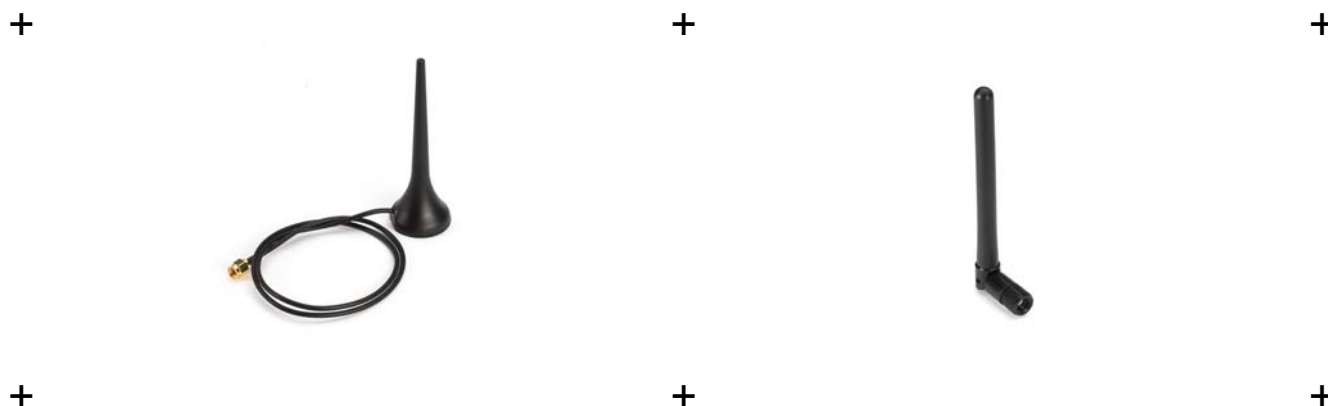
Part Numbers ::	North America	International
Cable Adapters		
RJ-45F/DB-25M Straight Adapter (4-pack)	76000450	76000450
RJ-45F/DB-25M Crossover Adapter (4-pack)	76000451	76000451
RJ-45F/DB-9F Crossover Adapter (4-pack)	76000461	76000461
Power Supply		
EtherLite/SCSI Universal (120V-240V) Power Supply	76000464	76000464

Options/Accessories :: Antennas, Extension/Power Cords

Digi Remote Power Manager (Digi RPM) ::

Part Numbers ::	North America	International
Power Cords		
Power Cord - US 15A plug to RPM input	76000818	N/A
Power Cord - UK plug to RPM input	N/A	76000819
Power Cord - International RPM output to end device	N/A	76000820

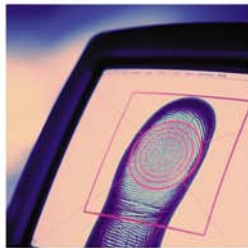
Digi Connect® Wi-EM, Digi Connect® Wi-ME, Digi Connect® Wi-SP ::



Part Numbers ::	North America	International
Desktop Antennas		
2.4 GHz Desktop Antenna (single-unit pack)	DC-ANT-24DT	DC-ANT-24DT
2.4 GHz Desktop Antenna (25-unit pack)	DC-ANT-24DT-25	DC-ANT-24DT-25
2.4 GHz Desktop Antenna (50-unit pack)	DC-ANT-24DT-50	DC-ANT-24DT-50
Dipole Antennas		
2.4 GHz Dipole Antenna (single-unit pack)	DC-ANT-24DP	DC-ANT-24DP
2.4 GHz Dipole Antenna (10-unit pack)	DC-ANT-24DP-10	DC-ANT-24DP-10
2.4 GHz Dipole Antenna (50-unit pack)	DC-ANT-24DP-50	DC-ANT-24DP-50
Dipole Extension Cords		
30 cm Dipole Antenna Extension Cord (single-unit pack)	DC-ANT-E-24DP	DC-ANT-E-24DP
30 cm Dipole Antenna Extension Cord (25-unit pack)	DC-ANT-E-24DP-25	DC-ANT-E-24DP-25
30 cm Dipole Antenna Extension Cord (50-unit pack)	DC-ANT-E-24DP-50	DC-ANT-E-24DP-50

Digi Connect® RG, Digi Connect® WAN ::

Part Numbers ::	North America	International
Dipole Antenna		
Dual Band Wireless Dipole Antenna 4" – up to 2 dbi gain	DC-ANT-DBDP	DC-ANT-DBDP
Dual Band Wireless Dipole Antenna 4" (25-unit pack)	DC-ANT-DBDP-25	DC-ANT-DBDP-25
Dual Band Wireless Hi-Gain Antenna 14" – up to 4 dbi gain	DC-ANT-DBHG	DC-ANT-DBHG
Dual Band Wireless Hi-Gain Antenna 14" (25-unit pack)	DC-ANT-DBHG-25	DC-ANT-DBHG-25



+Industry-Specific Applications ::

By approaching our customers from an industry-specific perspective, we are able to find better solutions to common industry problems. This enables you to improve your business' efficiency, saving valuable time and money that would otherwise be spent on solving critical connectivity challenges. It's easy to find the perfect solution for your application with our variety of network- and bus-based solutions.

Connect Your World

The world is in the early stages of an extraordinary but quiet technology revolution. The advances of personal computers and the Internet have laid the groundwork for the rapidly emerging era of networked devices. Digi's mission is to make device networking easy.

The promise of device networking is this: the closer you can place decision-making to the source of information, the faster you can make good decisions. That translates directly into making your business more productive, more competitive and more profitable. Digi offers solutions that allow businesses to improve efficiency, and save valuable time and money.

Mission-Critical Enterprise Applications

Digi solutions are used in a broad range of applications worldwide. The following pages highlight some of our most successful applications with real world examples for each. Many of these challenges can be solved by more than one Digi solution. If you don't see your application listed, please call us. If it involves device networking, there's a good chance we have done it before!

Making
DEVICE NETWORKING
easy™



+ Now you can...

...establish a truly diverse backup network using wireless/cellular technology with **Digi Connect WAN**.

...connect RTUs, meters, flow computers or virtually any RS-232/422/485 serial device via POTS phone line with **PortServer TS M MEI**.

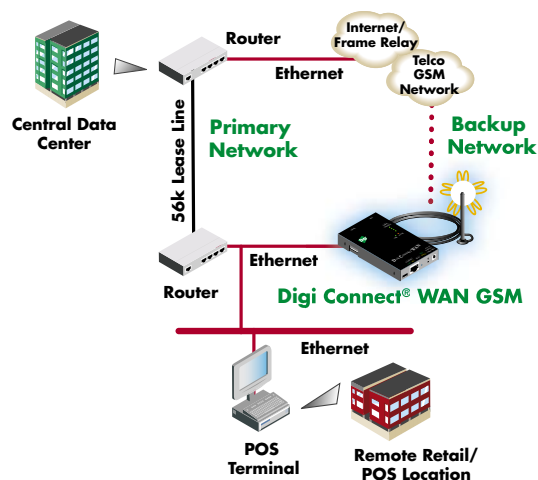
...maintain communications with remote serial devices via a high-speed cellular data network with **Digi Connect WAN** or **Digi Connect Remote Gateway**.

...perform enterprise management and configuration of groups of devices across remote networks with **Digi Connectware Manager**.

+ *Remote Device Management ::*

More customers than ever now require that not only the devices in their central data center be connected, but also devices at remote locations. Digi has identified this new opportunity as Remote Device Management.

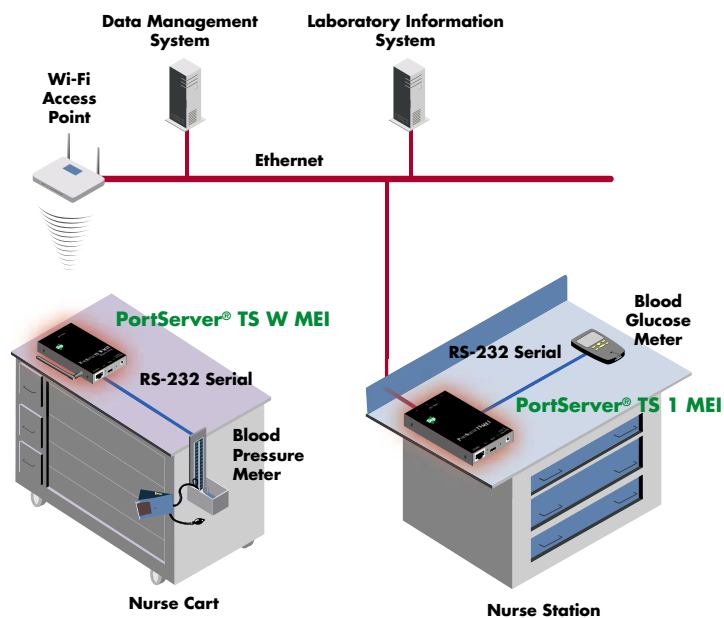
With the Internet as the driving force, the expense and difficulty of the expansion of WANs into remote sites has been sharply reduced, allowing for remote sites and their devices to connect to the corporate network. Digi adds value by networking equipment which is not traditionally thought of as "network-able" because of cost, reliability and infrastructure limitations. Remote Device Management also makes connectivity to groups of remote IP devices easier and more reliable.





+Medical/Healthcare ::

Today hospitals, clinics and laboratories are facing rapidly growing needs to receive, monitor and access patient information quickly, easily and accurately, whether at the bedside, a nurse's station, or anywhere in the facility. Digi solutions network-enable medical equipment and devices using the hospital's existing Ethernet network to improve patient care.



+ Now you can...

...utilize serial-to-Ethernet connectivity to easily manage the administrative, financial and clinical sides of medical practices with the **PortServer TS family** of device servers.

...optimize the Point-of-Care (POC) process and ensure accurate billing by integrating POC devices with hospital information systems using **PortServer TS 1 MEI** and **PortServer TS W MEI** device servers.

...add embedded wireless functionality to pulse oximeters or other medical devices for remote monitoring of data with **Digi Connect Wi-ME** embedded device servers.



+ Now you can...

...eliminate power supply bricks for USB devices and transform a basic, low-cost PC into a high performance retail system with the **USB Plus Series**.

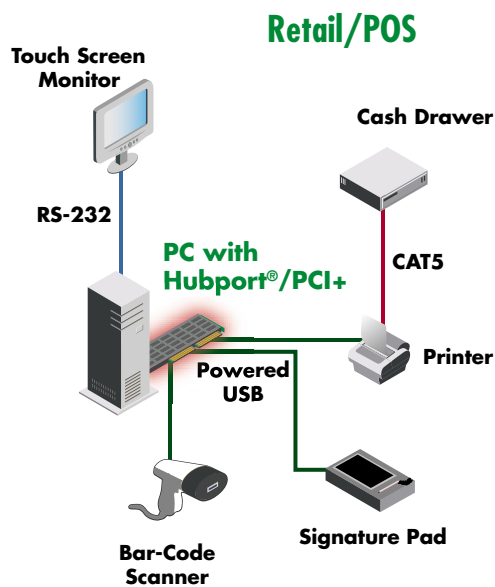
...take the PC out of the checkout lane to create smaller retail stations and simplify operations with **AnywhereUSB**.

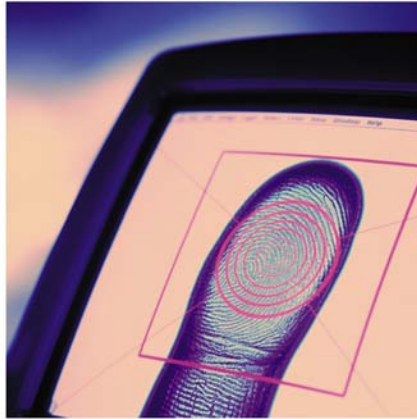
...optimize supply chain efficiency by automating delivery and pick-up of warehouse merchandise with the **PortServer TS family**.

...reliably connect serial peripheral devices to low-profile PCI slots with **Digi Neo** serial cards.

+ *Retail/Point-of-Sale ::*

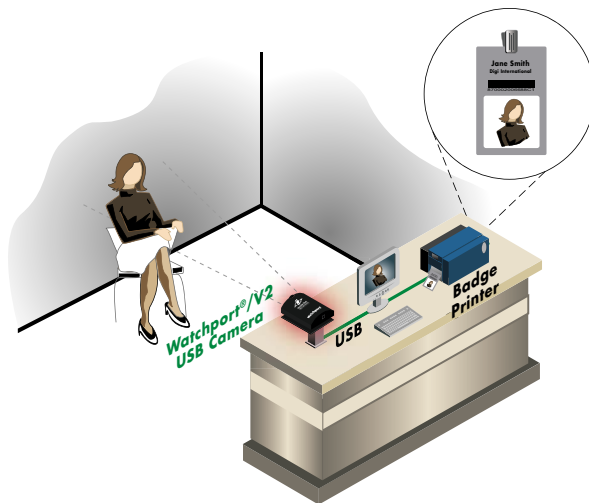
Whether you own a single convenience store or a chain of department stores, Digi offers solutions that can help to simplify your retail system architecture. Our solutions enable magnetic card readers, bar-code scanners, scales, receipt printers, display poles and other POS peripheral devices to effectively share information across the network.





+ *Building Automation/Security* ::

By focusing on the always-expanding building automation and security market, Digi is able to offer key solutions for critical applications like time and attendance, biometrics, access control, intrusion detection, badging systems and building automation.



+ Now you can...

...add network connectivity to legacy access control panels and have a migration path to a fully embedded solution with the **Digi Connect SP** customizable device server.

...replace expensive camera and video capture card systems with high quality, easy-to-use, low cost **Watchport/V2** USB cameras.

...use a USB biometrics reader for access control, without installing a PC at each doorway with **AnywhereUSB**.



+ Now you can...

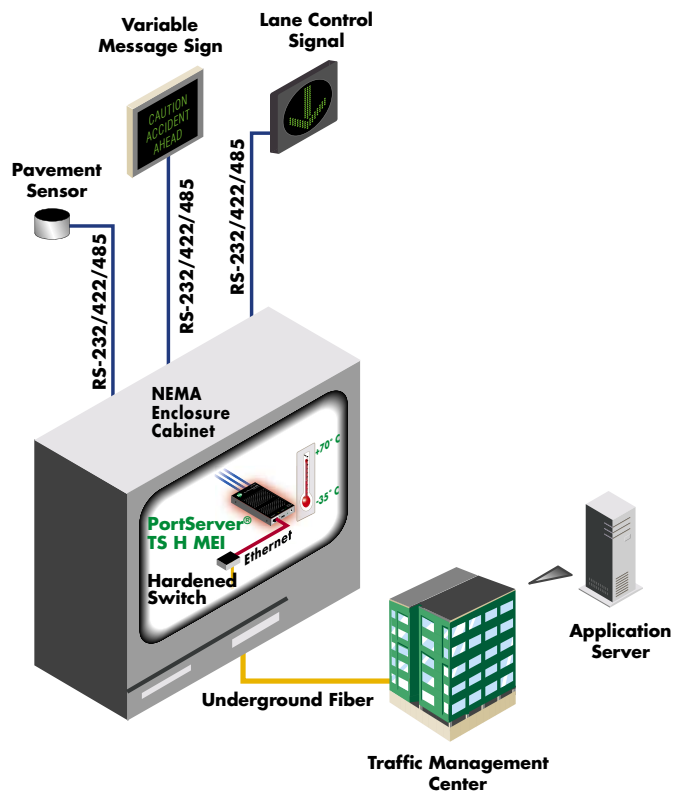
...utilize **PortServer TS H MEI** device servers with patented **RealPort COM** redirection technology to easily migrate legacy serial traffic control devices to Ethernet.

...push TCP/IP from the Traffic Management Center to the roadways and increase flexibility and reliability of the Intelligent Transportation System with the **Digi One RealPort** device server.

..collect traffic data wirelessly from roadside vehicle counters with **Wavespeed/S** Bluetooth serial adapters.

+ *Traffic Management ::*

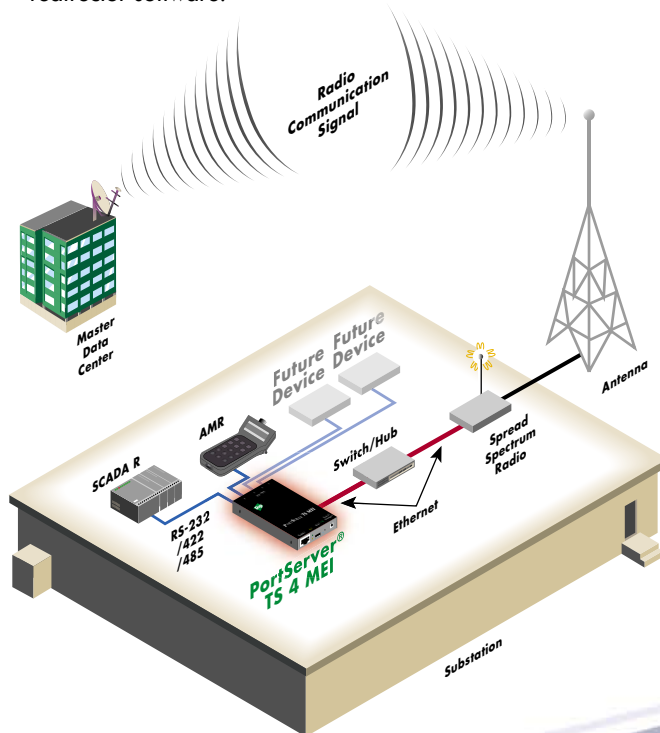
Traffic light coordination. Hazardous road condition alerts. Variable message sign updates. Lane control signals. Emergency vehicle detectors. These are just some of the factors that contribute to the world of traffic management. Digi offers solutions that make it easy to Ethernet-enable the field devices along roadsides and at intersections so that your traffic management center has access to real-time information.





+Utilities ::

From large Investor Owned Utilities (IOU) to small co-operatives, the utilities industry has recognized the benefits of IP-based communication technologies. At the substation level, however, much of the communication hardware requires an RS-232 serial interface rather than an Ethernet connection. This equipment also utilizes proprietary protocols between the field equipment and the applications like Supervisory Control and Data Acquisition (SCADA), automatic meter reading and load management. Digi solves these compatibility issues with interface converters and patented RealPort COM port redirector software.



+ Now you can...

...network substation serial devices that use Modbus, DNP3 and other proprietary protocols with the **Digi One IAP** industrial device server.

...create a redundant, scalable connectivity solution for SCADA servers at the master station with **AccelePort Xem** asynchronous concentrators.

...gather real-time power metering data from substations across the Ethernet with the **PortServer TS 4 MEI** device server.

...add modems to a server to communicate with remote C&I power meters with the **Rapidport/4** USB-to-multi-modem solution.



+ Now you can...

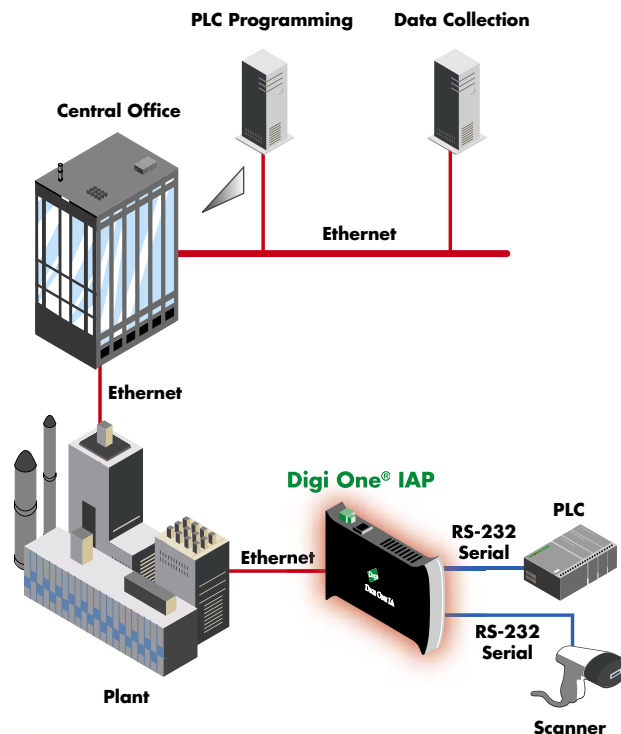
...connect PLCs and bar-code scanners on the manufacturing floor, without expensive PCs and industrial protocol conversion software with the **Digi One IAP** industrial device server.

...consolidate and remotely manage storage conditions and inventory levels of perishable goods at many locations with the **Digi One SP** device server.

...Ethernet-enable asynchronous serial devices such as control panels, meters, cameras and status indicators, without impacting production time and costs with the **PortServer TS** family of device servers.

+ *Industrial Automation ::*

Productivity improvements, inventory management and quality control are challenges found in virtually every manufacturing facility today. From automotive to warehouse environments, the need to attach essential devices (new or legacy) such as PLCs, CNC/DNC equipment, process and quality control equipment, operator displays, scales and many other types of manufacturing equipment is common. Digi solves these challenges by offering solutions designed to address the specific needs of the IA market.





+Government ::

Digi has served the government space for 17 years, so we understand the special requirements and processes of government agencies. Our solutions can add value to your data center management, call center operations and security initiatives. We provide needs assessment to determine the requirements of your project, technical assistance with the solution, and ongoing technical support and training.

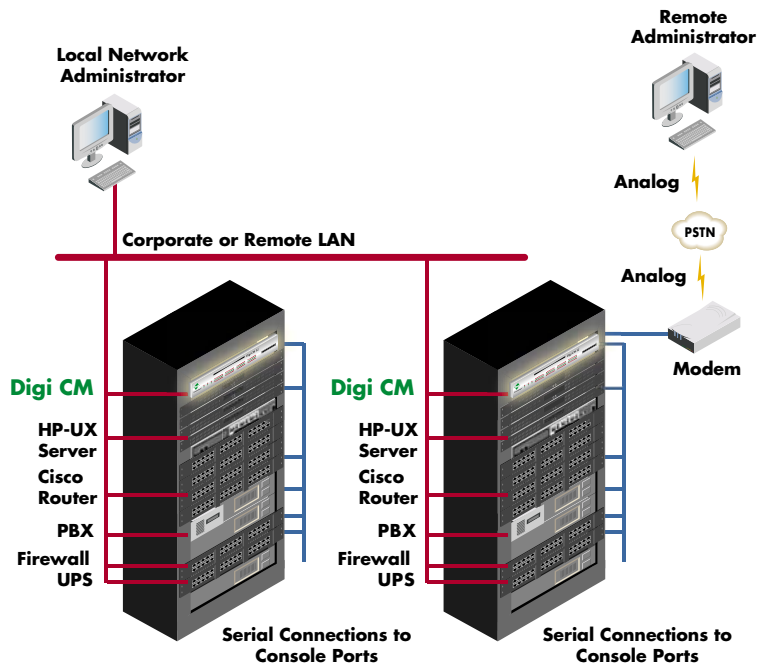
We offer GSA pricing (contract number GSA GS-35F-0351J) and the Digi GSA Online Store to make it easier than ever for our federal government partners and end users to procure products.

+ Now you can...

...securely and efficiently manage data centers from anywhere and at any time with **Digi CM** secure console servers.

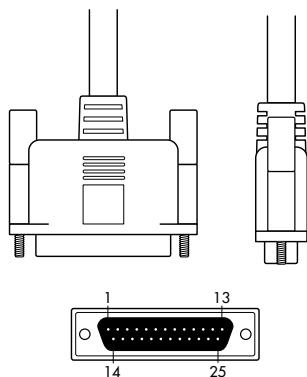
...integrate GPS devices into existing network infrastructure and provide serial surge protection with the **PortServer TS 16** terminal server.

...update old computer systems seamlessly from ISA to PCI with **AccelePort Xem** expandable serial cards.

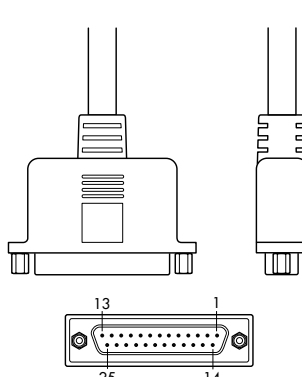


Product Pinouts ::

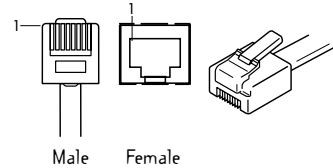
:: DB-25M



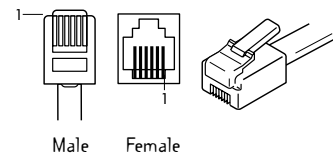
:: DB-25F



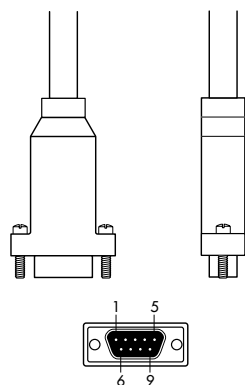
:: RJ-45



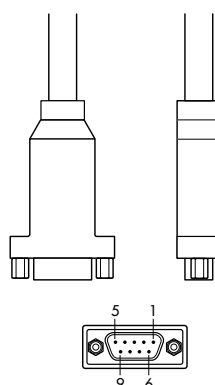
:: RJ-11



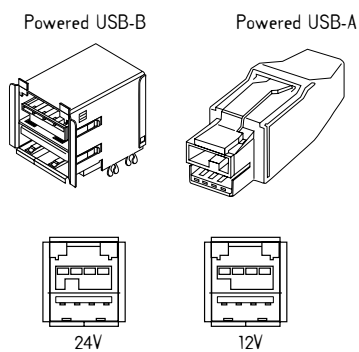
:: DB-9M



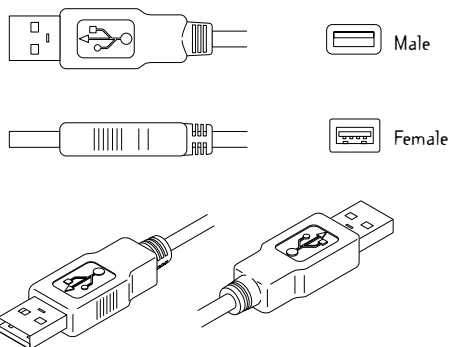
:: DB-9F



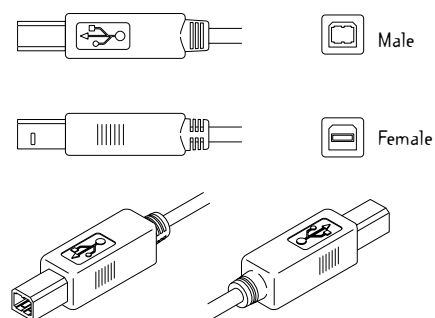
:: Powered USB



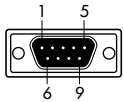
:: USB-A



:: USB-B



Product Pinouts ::



DB-9

DB-9 Pin	RS-232*	RS-422/485 Full-Duplex	RS-485 Half-Duplex
1	DCD	CTS-	Not used
2	RxD	RxD+	RxD+
3	TxD	TxD+	TxD+
4	DTR	RTS-	Not used
5	SGND	SGND	SGND
6	DSR	RxD-	RxD-
7	RTS	RTS+	Not used
8	CTS	CTS+	Not used
9	RI*	TxD-	TxD-

*Ring Indicator - serial cards only.

:: Product

Device/Terminal Servers:

- Digi One SP
- Digi One IA
- Digi One IAP
- Digi Connect SP
- Digi Connect Wi-SP
- Digi Connect RG
- Digi One IA Modem (RS-232 only)

Bluetooth Wireless Adapters (RS-232):

- Wavespeed/S Class 1
- Wavespeed/S Class 2

USB PlusPower Converters (RS-232):

- Edgeport/42+

Multiport Serial Cards:

- Any DB-9 RS-232 pin assignment

USB-to-Serial Converters (RS-232/422/485):

- Edgeport/4s MEI
- Edgeport/8s MEI

USB-to-Serial Converters (RS-232):

Edgeport Standard:

- Edgeport/1
- Edgeport/2
- Edgeport/4
- Edgeport/412
- Edgeport/416
- Edgeport/8

Edgeport Compact:

- Edgeport/2c
- Edgeport/22c

Edgeport Metal:

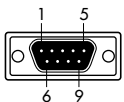
- Edgeport/2m
- Edgeport/4m

Edgeport Industrial:

- Edgeport/2+2i

Edgeport Multi-Interface:

- Edgeport/21
- Edgeport/421



DB-9, RS-422/485

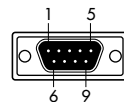
Pin	422/485
1	Full and Half Duplex
3	TxD+
4	RxD+
6	Echo On and Off
7	TxD+
8	RxD-
9	Line Termination

:: Product

USB-to-Serial Converters:

Edgeport Industrial:

- Edgeport/1i
- Edgeport/2i
- Edgeport/2+2i
- Edgeport/4i
- Edgeport/8i
- Edgeport/8im
- Edgeport/4s MEI
- Edgeport/8s MEI



DB-9, RS-422

DB-9 Pin	RS-422
1	—
2	RTS+
3	RTS-
4	CTS+
5	CTS-
6	RxD+
7	RxD-
8	TxD+
9	TxD-

:: Product

Device/Terminal Servers:

- All DB-9 RS-422

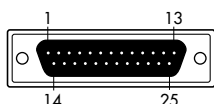
Multiport Serial Cards:

- Any DB-9 RS-422 pin assignment

*SGND = Signal Ground - References all of the signal grounds
CGND = Chasis Ground - References Earth ground



Product Pinouts ::



DB-25, RS-232

:: Product

Pin	Signal
1*	CGND
2	TxD
3	RxD
4	RTS
5	CTS
6	DSR
7	SGND
8	DCD
20	DTR
22	RI

Multiport Serial Cards:

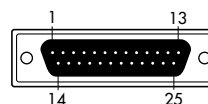
- Any DB-25 RS-232 pin assignment

USB-to-Serial Converters:

Edgeport Standard:

- Edgeport/4/DB-25
- Edgeport/412/DB-25
- Edgeport/416/DB-25
- Edgeport/8/DB-25

*Any pin not shown is unused.



DB-25, RS-422

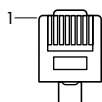
:: Product

Pin	Signal
1	—
2	TxD+
3	RxD+
4	RTS+
5	CTS+
13	CTS-
14	TxD-
16	RxD-
19	RTS-

Multiport Serial Cards:

- Any DB-25 RS-422 pin assignment

**Any pin not shown is unused.



RJ-45

RJ-45 Pin	Signal RS-232	Signal RS-422	Signal RS-485
1	RTS	RTS	No connect**
2	DSR	RxD-	No connect**
3	DCD	DCD*	No connect**
4	RxD	RxD+	TxD+/RxD+
5	TxD	TxD+	TxD-/RxD-
6	SGND	SGND	SGND
7	DTR	TxD-	No connect**
8	CTS	CTS*	No connect**

*RS-232 signals on EtherLite RS-422 only.

**Does not connect any signal.

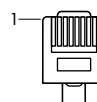
:: Product

Device/Terminal Servers:

- EtherLite

Edgeport Standard (RS-232):

- Edgeport/8r



RJ-45

:: Product

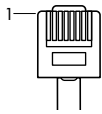
Pin	Signal
1	CTS
2	DSR
3	RxD
4	SGND
5	DCD*
6	TxD
7	DTR
8	RTS

Console Servers:

- Digi CM

*Note: Inbound signal can also be used as a second ground.

Product Pinouts ::



RJ-45

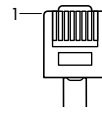
:: Product

Pin	Signal
1	RTS
2	DTR
3	TxD
4	SGND
5	DCD*
6	RxD
7	DSR
8	CTS

Power Management:

- Digi RPM

*Note: Inbound signal can also be used as a second ground.



RJ-45 Ethernet

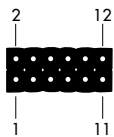
:: Product

Pin	Signal
1	TxD+
2	TxD-
3	RxD+
4	EPWR+
5	EPWR+
6	RxD-
7	EPWR-
8	EPWR-

Embedded Modules:

- Digi Connect ME
- Digi Connect EM

*Pins 4, 5, 7, 8 not used by Digi Connect EM.



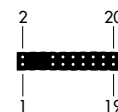
Power and Serial Interface
Pin Assignments

Pin	Signal
1	+3.3V
2	SGND
3	RxD/GPIO-7
4	TxD/GPIO-6
5	RTS/GPIO-4/SPI_CLK
6	DTR/GPIO-5
7	CTS/GPIO-2
8	DCD/GPIO-1/SPI_EN
9	DSR/GPIO-3
10	RTS
11	RxD/GPIO-9
12	TxD/GPIO-8

:: Product

Embedded Modules:

- Digi Connect EM
- Digi Connect Wi-EM



Power and Serial Interface
Pin Assignments

Pin	Signal
1	VETH+
2	VETH-
3-6	—
7	RxD
8	TxD
9	RTS/GPIO 4
10	DTR/GPIO 5
11	CTS/GPIO 2
12	DSR/GPIO 3
13	DCD/GPIO 1
14	RESET
15	+3.3V
16	SGND
17-19	—
20	/INIT

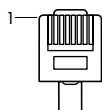
:: Product

Embedded Modules:

- Digi Connect ME
- Digi Connect Wi-ME



Product Pinouts ::



RJ-45

RS-232 Signal (8-Pin)	Pin	RS-232 Signal	Standard 10-Pin RS-422 Signal (4/8-Wire)	Optional 8-Pin RS-422 Signal (Alt-4-Wire) PortServer TS 8/16 MEI only	RS-485 (2-Wire Mode)
	1	RI	TxD-	—	—
1 *	2 *	DSR	RxD-	RxD-	Data-
2	3	RTS	RTS+	TxD+	—
3	4	CGND	CGND	CGND	CGND
4	5	TxD	TxD+	—	—
5	6	RxD	RxD+	RxD+	Data+
6	7	SGND	SGND	SGND	SGND
7	8	CTS	CTS+	—	—
8	9	DTR	RTS-	TxD-	—
	10	DCD	CTS-	—	—

*Using Alt-Pin, the DSR and DCD signals can be swapped. Alt-Pin is a software option in the driver.

:: Product

Device/Terminal Servers:

- PortServer TS
MEI 1/2/4/8/16
- PortServer TS 1/2/4/8/16
(RS-232 only)
- Digi One RealPort
(RS-232 only)

Multiport Serial Cards

- Any RJ-45 pin assignment

For a listing of cable and accessory pinouts go to
www.digi.com/support

10/100Base-T

Ethernet running on Unshielded Twisted Pair (UTP) cable with the amount of data transmitted between two points in a given amount of time being either 10 Mbps or 100 Mbps.

AES (Advanced Encryption Standard)

Encryption algorithm that uses 128-, 192- and 256-bit keys to secure sensitive data. Originally developed for unclassified U.S. Government materials, it has gained popularity in the private sector for applications such as online banking and credit card transactions.

ARP-Ping

An easy and universal method to assign an IP address to an unconfigured Digi device server. The network administrator manually creates an entry for the particular device in the ARP table of a router or host system in order to map the physical address of the device to a specific IP address. After the ARP entry has been successfully created, the administrator simply pings the device server, which in turn automatically assumes the IP address provided in the packets generated by the ping command.

Automatic Device Recognition

Digi CM feature that makes configuration and management of console servers easier by detecting which type of server, router or switch is connected to the unit.

CHAP (Challenge-Handshake Authentication Protocol)

Standards-based security protocol commonly used to verify remote access logons by mobile and remote users; it will authenticate the user. CHAP validates users or systems with a challenge that requires an appropriate response. If the caller supplies proper credentials, the logon is validated and the WAN link is established. The most important feature of CHAP is that passwords are never sent over the line.

DHCP (Dynamic Host Configuration Protocol)

Communications protocol that enables network administrators to centrally manage and automate the assignment of IP addresses.

HTTP (Hypertext Transfer Protocol)

Set of rules for exchanging files on the web. When the browser user enters file requests, the browser builds an HTTP request and sends it to the IP address indicated by the URL. The HTTP daemon in the destination server machine receives the request and, after any necessary processing, returns the requested file.

HTTPS (Hypertext Transfer Protocol Secure)

Opens a secure hypertext transfer session with the specified site address. HTTPS is HTTP layered over the Secure Sockets Layer (SSL) protocol to provide secure data transfer between computers over the web using encrypted data streams. The successful use of the HTTPS protocol requires a secure server to handle the request.

Industrial Ethernet Protocols

Defines how the serial data of an industrial device is transferred over the network to a host machine server such as an HMI system. Digi supports the following protocols on the Digi One IAP:

- Modbus/TCP
- Allen-Bradley Ethernet
- EtherNet/IP

Industrial Serial Protocols

Define the rules for serial/industrial device communication between Digi device servers and PLCs or other equipment with a serial port. The Digi One IAP supports the following serial protocols:

- Modbus RTU/ASCII
- Omron: FINS, CompoWay/F and Hostlink
- DF1 (full- and half-duplex)
- Custom/user-defined
- ASCII

Kerberos

Secure method for authenticating a request for a service in a computer network. Kerberos lets a user request an encrypted "ticket" from an authentication process that can then be used to request a particular service from a server. The user's password does not have to pass through the network. A version of Kerberos (client and server) can be downloaded from MIT or you can buy a commercial version.

LDAP (Lightweight Directory Access Protocol)

Software protocol for enabling anyone to locate organizations, individuals, and other resources such as files and devices in a network, whether on the public Internet or on a corporate intranet. LDAP is a "lightweight" (smaller amount of code) version of Directory Access Protocol (DAP), which is part of X.500, a standard for directory services in a network. LDAP is lighter because in its initial version it did not include security features. LDAP originated at the University of Michigan and has been endorsed by at least 40 companies. Netscape includes it in its latest Communicator suite of products. Microsoft includes it as part of what it calls Active Directory in a number of products including Outlook Express. Novell's NetWare Directory Services interoperates with LDAP. Cisco also supports it in its networking products.

MEI (Multi-Electrical Interface)

Digi term meaning the serial interface supports RS-232, 422 and 485.

Modbus/TCP

Family of vendor-neutral communication protocols for the supervision and control of automation equipment. Modbus/TCP is a specific variant covering the use of Modbus messaging in a TCP/IP network environment, such as the intranet or the Internet.



Modem Emulation

Enables a networked Digi device server or terminal server to act as a modem to send and receive data over an IP network instead of a PSTN.

Multi-Master

Ability for the Digi device server to handle multiple network masters for the serial device. The multiple masters can run different protocols. For example, one PLC could have an HMI system as a master using RealPort, while an administrator uses TCP sockets to download configuration information.

PAP (Password Authentication Protocol)

Standards-based security protocol commonly used to verify remote access logons by mobile and remote users; it will authenticate the user. The PAP protocol transmits both the user ID and the password in the clear, making it possible for an eavesdropper to capture logon credentials. This information is sent to the target device upon initiation of the call. The target then validates the information in a central PAP database.

Pass-Through Port

Second serial port on the Digi One IAP device server enables a user to connect additional serial devices locally to a PC (or other serial device) without disconnecting the PLC from the Ethernet.

PCMCIA**(Personal Computer Memory Card International Association)**

A PCMCIA card is a credit card-size memory or I/O device that connects to a personal computer, usually a notebook or laptop computer. Probably the most common example of a PCMCIA card is the 28.8 Kbps modem for notebook computers. The PCMCIA was organized in 1989 to promote standards for both memory and I/O integrated circuit cards. The PCMCIA 2.1 Standard was published in 1993. As a result, PC users can be assured of standard attachments for any peripheral device that follows the standard. The initial standard and its subsequent releases describe a standard product, the PC Card. A PCMCIA card has a 68-pin connector that connects into a slot in the PC.

PPP (Point-to-Point Protocol)

Protocol for communication between two computers using a serial interface, typically a personal computer connected by phone line to a server. For example, your Internet service provider may supply you with a PPP connection so that the provider's servers pass your requests on to the Internet and forward the responses back to you. PPP uses IP and is designed to handle others.

Port Buffering/Port Logging

Port buffering allows data from each port to be captured and stored within the console management appliance to allow a future examination of the events that occurred on a specific port prior to an alarm or failure. Port logging saves buffer contents to network drives for review and analysis.

Powered Ethernet

Device power provided by the Ethernet connection (802.3af) eliminates the need for a separate power supply.

RADIUS (Remote Authentication Dial-In User Service)

Allows remote access to a central server system and authenticates dial-in users. Allows increased security for remote access connections. When the PortServer uses a RADIUS server, it authenticates users by first searching its own user table and then, if the user is not found, searching the RADIUS server.

RARP (Reverse Address Resolution Protocol)

Protocol by which a physical machine in a Local Area Network can request to learn its IP address from a gateway server's Address Resolution Protocol table or cache. A network administrator creates a table in a local area network's gateway router that maps the physical machine or Media Access Control (MAC) addresses to corresponding Internet Protocol addresses.

RealPort®

Patented Digi software application provides local serial port functionality (Real TTY for UNIX and Native COM port functionality for Microsoft environments).

RealPort® USB (USB Over IP®)

Patent-pending Digi software application provides local USB port functionality over an IP network.

RealPort® with Encryption

Patent-pending technology takes RealPort a step further by offering a secure connection between the COM/TTY port and a device server. TCP/IP packets are encapsulated in an SSL connection and encrypted via AES to prevent data snooping across the network.

RFC 2217

An extension of the Telnet protocol used to access serial devices over the network. It enables applications to set the parameters of remote serial ports (baud rate, flow control, etc.), detect line signal changes, as well as receive and transmit data.

RS-232 (EIA-232)

Also known as V.24. Most commonly used serial data communications standard for low speed communications. Defines the electrical characteristics and physical interface for serial data communications using unbalanced signals including flow control. Supports speeds of 150 Kbps and higher, with cable distances typically 150 feet or less.

RS-422 (EIA-422)

Also known as V.11. Defines electrical characteristics for balanced serial signals. Does not define the physical interface. Supports greater distances (to 1000 feet) and noise immunity than RS-232.

RS-485 (EIA-485)

Derived from RS-422 and has same distance and noise immunity support; utilizes tri-state line drivers to support multi-drop configuration in both 4- and 2-wire (full- and half-duplex) modes.

SPP (Serial Port Profile)

Software protocol supporting transfer of serial port data over Bluetooth® wireless.

SNMP (Simple Network Management Protocol)

Protocol governing network management and the monitoring of network devices and their functions. Included in the SNMP model are Network Management Stations (applications that enable administrators to control and monitor network entities) and Management Agents (components on actual network devices which send information to the Network Management Stations). Management Information Bases provide information about the managed objects (such as the data rate of an interface) and can be set or monitored using NMS.

SSH (Secure Shell)

UNIX-based command interface and protocol for securely getting access to a remote computer. It is widely used by network administrators to control web and other kinds of servers remotely. SSH commands are encrypted and secure in several ways. Both ends of the client/server connection are authenticated using a digital certificate, and encryption protects passwords.

SSL (Secure Sockets Layer)

Commonly used protocol for managing the security of a message transmission on the Internet. SSL ensures that the connection is private and secure by providing authentication and encryption services.

Socket Services

Sockets are a simple method of communication between a client and a server on a network. The client actively initiates a connection to a server and the server accepts the connections from the client. The programming interface used for socket communication is called Socket Services and is available in most network operating systems, including Linux, UNIX and Microsoft Windows. Socket services can be used to enable a software application to communicate with a serial device that has been network-enabled using a device server. The actual specifics of the client/server relationship are dependent on the application. In other words, a device server can act as client and a software application as a server, and vice versa.

Static IP

An IP address that has been explicitly assigned to a specific device or system in its network configuration. The change of a statically assigned IP address requires manual reconfiguration of the network device or system.

Telnet/Reverse Telnet

The initiation of a telnet session from a computer system to one of its remote users/clients. Sometimes called direct telnet. A user/client who wishes to access a remote system initiates a telnet session to the networking systems. The user must have permission and is prompted to provide a user name and password. Reverse telnet is used to monitor a serial device, such as a console port of a router from another networked computer system.

UDP/Multicast

Digi's multicasting feature sends out a data packet to multiple destinations on a network. Digi products support up to 64 recipients. The packets are sent out one at a time to each recipient listed on the table.

USB PlusPower

Powered USB technology that supports providing device power over the USB bus for 5V, 12V or 24V peripheral devices.

Part Numbers :: North America & International

North America Part Numbers	International Part Numbers	Product Name and Description	Page #
70001167	70001168	AccelePort C/X Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 Concentrator	99
70001171	70001172	AccelePort C/X Universal PCI (3.3V & 5V) 8-Port RS-232 RJ-45 Concentrator	99
70001175	70001176	AccelePort C/X Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 1U Rack	99
70001193	70001193	AccelePort Xr Universal PCI (3.3V & 5V) 4-Port RS-422 w/ DB-25M Cable	97
70001194	70001194	AccelePort Xr Universal PCI (3.3V & 5V) 4-Port RS-422 w/ DB-9F Cable	97
70001199	70001199	AccelePort Xr Universal PCI (3.3V & 5V) 8-Port RS-422 w/ DB-25M Cable	97
70001200	70001200	AccelePort Xr Universal PCI (3.3V & 5V) 8-Port RS-422 w/ DB-9F Cable	97
70001201	70001201	AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 Concentrator	101
70001203	70001203	AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 DB-25 Concentrator	101
70001206	70001206	AccelePort Xem Universal PCI (3.3V & 5V) 8-Port RS-232 RJ-45 Concentrator	101
70001208	70001208	AccelePort Xem Universal PCI (3.3V & 5V) 8-Port RS-232 DB-25 Concentrator	101
70001229	70001230	AccelePort C/X Universal PCI (3.3V & 5V) 8-Port RS-232 DB-25 Concentrator	99
70001231	70001232	AccelePort C/X Universal PCI (3.3V & 5V) 16-Port RS-232 DB-25 Concentrator	99
70001361	70001361	AccelePort Xr 920 Universal PCI (3.3V & 5V) 4-Port RS-232 w/ DB-25M Cable	97
70001362	70001362	AccelePort Xr 920 Universal PCI (3.3V & 5V) 8-Port RS-232 w/ DB-25M Cable	97
70001385	70001385	AccelePort C/CON RS/6000 Compatibility Upgrade Kit (for 16-port C/CON only)	99, 114
70001427	70001528	EtherLite 160 - 16 ports, RS-232, RJ-45	22
70001428	70001529	EtherLite 162 - 16 ports, RS-422, RJ-45	22
70001429	70001533	EtherLite 32 - 32 ports, RS-232, RJ-45	22
70001430	70001531	EtherLite 2 - 2 ports, RS-232, RJ-45	22
70001432	70001532	EtherLite 2 - 2 ports, RS-422, RJ-45	22
70001548	70001548	AccelePort Xp Universal PCI (3.3V & 5V) 8-Port RS-232 w/DB-25 Cable	95
70001549	70001549	AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232 w/DB-25 Cable	95
70001550	70001550	AccelePort Xp Universal PCI (3.3V & 5V) 16-Port RS-232 w/DB-25 Rack	95
70001557	70001557	AccelePort Xp Universal PCI (3.3V & 5V) 16-Port RS-232 w/RJ-45 Rack	95
70001559	70001559	AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-422 DB-25 Concentrator	101
70001683	70001706	EtherLite 2 - 2 ports, RS-485, RJ-45	22
70001733	70001738	PortServer TS 16 - 16 ports, RS-232	21
70001734	70001741	PortServer TS 8 - 8 ports, RS-232	21
70001742	70001743	PortServer TS 16 Rack - 16 ports, RS-232, 19" rack	21
70001747	70001747	PortServer TS 16, 48VDC - 16 ports, RS-232	21
70001749	70001752	Digi One RealPort - 1 port	19
70001750	70001753	PortServer TS 2 - 2 ports	19
70001751	70001754	PortServer TS 4 - 4 ports	19
70001757	70001757	AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 1U 19" Rack	101
70001767	70001768	EtherLite 80 - 8 ports, RS-232, RJ-45	22
70001777	70001777	Digi One IAP	29
70001805	70001832	PortServer TS 1 MEI - 1 port	20
70001806	70001833	PortServer TS 2 MEI - 2 ports	20
70001807	70001834	PortServer TS 4 MEI - 4 ports	20
70001851	70001852	Digi One SP - 1 port	18
70001862	70001862	Digi One IA - 1 port	30
70001876	70001876	Digi One IA Modem - 1 port	32
70001885	70001885	PortServer TS 8, 48VDC - 8 ports, RS-232	21
70001898	70001985	PortServer TS 1 M MEI - 1 port	25
70001899	70001986	PortServer TS 3 M MEI - 3 ports	25
70001917	70001917	PortServer TS 1 H MEI - 1 port	23
70001918	70001918	PortServer TS 2 H MEI - 2 ports	23
70001919	70001919	PortServer TS 4 H MEI - 4 ports	23

Part Numbers :: North America & International

North America Part Numbers	International Part Numbers	Product Name and Description	Page #
70001928	70001929	PortServer TS 16 Enterprise Rack – 16 ports, RS-232, 19" rack	21
70001947	70001947	Digi Neo Universal PCI (3.3V & 5V) 8-Port w/DB-25M Fan-out Cables	103
70001954	70001955	PortServer TS 1 W MEI – 1 port	24
70001956	70001957	PortServer TS 2 W MEI – 2 ports	24
70001958	70001959	PortServer TS 4 W MEI – 4 ports	24
70001965	70001965	Digi Neo Universal PCI (3.3V & 5V) Low Profile w/2-Port DB-9M Fan-Out Cable	103
70001978	70001980	PortServer TS 16 MEI - RS-232/422/485	21
70001979	70001981	PortServer TS 8 MEI – 8 ports, RS-232/422/485	21
70001988	70001991	PortServer TS 1 P MEI – 1 port	26
70001989	70001992	PortServer TS 2 P MEI – 2 ports	26
70001990	70001993	PortServer TS 4 P MEI – 4 ports	26
70001999	70002000	Digi One SP IA – 1 port	31
70002008	70002008	AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 8-Port RS-232 w/DB-25 Concentrator	101
70002009	70002009	AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 8-Port RS-232 w/RJ-45 Concentrator	101
70002010	70002010	AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/DB-25 Concentrator	101
70002011	70002011	AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/RJ-45 Concentrator	101
70002012	70002012	AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/RJ-45 1U Rack	101
70002017	70002017	AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-422 w/DB-25 Concentrator	101
76000001	76000001	4-Port DB-9F Straight Fan-Out Cable	115
76000002	76000002	4-Port RS-422 DB-9F Fan-Out Cable - AccelePort Xr, ClassicBoard	105, 115
76000003	76000003	4-Port DB-9M Straight Fan-Out Cable	97, 105, 115
76000004	76000004	4-Port RS-422 DB-9M Fan-Out Cable - AccelePort Xr, ClassicBoard	105, 115
76000006	76000006	4-Port DB-25F Straight Fan-Out Cable	97, 105, 115
76000008	76000008	4-Port DB-25M Straight Fan-Out Cable	97, 105, 115
76000014	76000014	8-Port RS-422 DB-9F Fan-Out Cable - AccelePort Xr, ClassicBoard	105, 115
76000017	76000017	8-Port RS-422 DB-9M Fan-Out Cable - AccelePort Xr, ClassicBoard	105, 115
76000019	76000019	8-Port DB-25F Straight Fan-Out Cable	97, 105, 115
76000021	76000021	8-Port DB-25M Straight Fan-Out Cable	97, 105, 115
76000026	76000026	4-Port DB-25F Straight Connector Box	115
76000027	76000027	8-Port DB-25F Straight Connector Box	115
76000030	76000030	4-Port DB-25M Straight Connector Box	97, 105, 115
76000031	76000031	8-Port DB-25M Straight Connector Box	97, 105, 115
76000033	76000033	8-Port RJ-45 Connector Box	97, 105, 115
76000038	76000038	4-Port RJ-45 Connector Box	97, 105, 115
76000067	76000068	AccelePort C/CON 16-Port RS-232 RJ-45	99
76000069	76000070	AccelePort C/CON 16-Port RS-232 DB-25	99
76000071	76000107	AccelePort C/X Fiber Link Adapter	99, 114
76000073	76000073	Digi PORTS/Xem 16-port RS-232 DB-25 Concentrator	101
76000074	76000074	Digi PORTS/Xem 16-port RS-232 RJ-45 Concentrator	101
76000109	76000321	AccelePort Xem Power Supply	101, 116
76000120	76000120	Digi PORTS/Xem 8-port RS-232 DB-25 Concentrator	101
76000122	76000122	Digi PORTS/Xem 8-port RS-232 RJ-45 Concentrator	101
76000129	76000129	24" RJ-45/DB-25M Straight Cable	110
76000147	76000158	AccelePort C/CON 16-Port RS-232 RJ-45 1U Rack	99
76000178	76000178	4-Port RS-422 DB-25M Fan-Out Cable - AccelePort Xr, ClassicBoard	105, 115
76000179	76000179	8-Port RS-422 DB-25M Fan-Out Cable - AccelePort Xr, ClassicBoard	105, 115
76000195	76000195	48" RJ-45/DB-25M Straight Cable	110
76000198	76000198	24" RJ-45/DB-25F Straight Cable	110
76000199	76000199	48" RJ-45/DB-25F Straight Cable	110



Part Numbers :: North America & International

North America Part Numbers	International Part Numbers	Product Name and Description	Page #
76000200	76000200	24" RJ-45/DB-9F Straight Cable	110
76000201	76000201	48" RJ-45/DB-9F Straight Cable	110
76000211	76000211	AccelePort C/X Host Adapter to RS-232 Sync Modem Cable	99, 114
76000212	76000212	AccelePort C/X Host RS-232 Sync Modem to Remote Concentrator	99, 114
76000216	76000217	AccelePort C/CON 8-Port RS-232 RJ-45	99
76000218	76000219	AccelePort C/CON 8-Port RS-232 DB-25	99
76000238	76000238	48" RJ-45/DB-25M Crossover Cable	110
76000239	76000239	24" RJ-45/DB-9M Straight Cable	110
76000240	76000240	48" RJ-45/DB-9M Straight Cable	110
76000264	76000264	48" RJ-45/DB-9M Crossover Cable	110
76000351	76000694	AccelePort C/CON Power Supply	99, 114
76000450	76000450	RJ-45F/DB-25M Straight Adapter (4-pack)	116
76000451	76000451	RJ-45F/DB-25M Crossover Adapter (4-pack)	116
76000461	76000461	RJ-45F/DB-9F Crossover Adapter (4-pack)	116
76000464	76000464	EtherLite/SCSI Universal (120V-240V) Power Supply	116
76000522	76000522	4-Port DB-25M Straight Fan-Out Cable	95, 103, 113
76000523	76000523	8-Port DB-25M Straight Fan-Out Cable	95, 103, 113
76000524	76000524	4-Port DB-25M Straight Connector Box	95, 103, 113
76000525	76000525	8-Port DB-25M Straight Connector Box	95, 103, 113
76000526	76000526	4-Port RJ-45 Straight Connector Box	95, 103, 113
76000527	76000527	8-Port RJ-45 Straight Connector Box	95, 103, 113
76000528	76000528	4-Port DB-9M Straight Fan-Out Cable	95, 103, 113
76000529	76000529	8-Port DB-9M Straight Fan-Out Cable	95, 103, 113
76000530	76000530	4-Port DB-9F Straight Fan-Out Cable	95, 103, 113
76000531	76000531	8-Port DB-9F Straight Fan-Out Cable	95, 103, 113
76000532	76000532	4-Port DB-25F Straight Fan-Out Cable	95, 103, 113
76000533	76000533	8-Port DB-25F Straight Fan-Out Cable	95, 103, 113
76000534	76000534	HD-68M to DB-78F Converter (use with legacy accessories)	95, 103, 113
76000535	76000548	Digi PORTS/Xem 16-port RS-422 DB-25 Concentrator	101
76000559	76000559	10' HD-68 Pin Cable	113
76000560	76000560	4-Port DB-9M Straight Connector Box	95, 103, 113
76000561	76000561	8-Port DB-9M Straight Connector Box	95, 103, 113
76000566	76000566	RJ-45 10-Pin to RJ-45 8-Pin Modem Cable	110
76000587	76000587	16-Port 2U 19" Rack w/DB-25M Connectors	95, 103, 113
76000588	76000588	16-Port 1U 19" Rack w/RJ-45 Connectors	95, 103, 113
76000611	76000611	19" Rack Chassis - 2U for AccelePort C/CON and Digi PORTS/Xem	99, 101, 114, 116
76000617	76000617	Digi PORTS/Xem 16-port RS-232 RJ-45 1U 19" Rack Concentrator	101
76000631	76000631	6' RJ-45 to Sun Netra/Cisco RJ-45 Cable	110
76000632	76000632	6' Bundle of 8 RJ-45 to Sun Netra/Cisco RJ-45 Cable	110
76000633	76000633	6' Bundle of 16 RJ-45 to Sun Netra/Cisco RJ-45 Cable	110
76000640	76000640	Wall Mount Bracket with Power Cord Holder - Digi Connect WAN, Digi Connect RG, PortServer TS 1/2/4 (RS-232/422/485 only)	111
76000641	76000641	Wall Mount Bracket - Digi One RealPort, PortServer TS 1/2/4	111
76000642	76000642	48" DB-9F/DB-9F Crossover Cable (works with all DB-9 products)	110
76000643	76000643	24" RJ-45/DB-25M Printer Cable	110
76000644	76000644	48" RJ-45/DB-25F Crossover Cable	110
76000645	76000645	48" RJ-45/DB-9F Crossover Cable	110
76000654	76000654	Replacement 120-240VAC Input Power Supply	111
76000660	76000714	Digi EasyPower 1 - 1 power and data port	26, 114

Part Numbers :: North America & International

North America Part Numbers	International Part Numbers	Product Name and Descr	Page #
76000661	76000715	Digi EasyPower 6 - 6 power and data ports	26, 114
76000662	76000662	Wall Mount Bracket Kit - Digi One SP	111
76000663	76000663	Digi Cable Evaluation Kit	110
76000670	76000670	RJ-45F/DB-25M Modem Adapter (8-pack)	55, 111
76000671	76000671	RJ-45F/DB-9F Console Adapter (8-pack)	55, 111
76000672	76000672	RJ-45F/DB-25M Console Adapter (8-pack)	55, 111
76000673	76000673	RJ-45F/DB-25F Console Adapter (8-pack)	55, 111
76000676	76000676	Rack Mount Shelf - PortServer TS (4 units of PortServer TS 2/4 or 2 units of PortServer TS 8)	111
76000682	76000682	DIN Rail Bracket Kit - Digi Connect WAN, Digi Connect RG, PortServer TS 1/2/4	111
76000689	76000689	23" Telco Rack Mount Kit	55, 111
76000692	76000692	RJ-45F/DB-25M Printer Adapter (4-pack)	110
76000693	76000693	Digi Cable Adapter Evaluation Kit	110
76000694	76000694	Acceleport C/CON Desktop 120-240VAC Power Supply	99, 114
76000695	76000695	Digi CM 8-Port 120-240VAC Power Supply	111
76000696	76000696	PortServer TS 8 48VDC Power Supply	111
76000697	76000697	RJ-45F/DB-9F Console Adapter (4-pack)	110
76000698	76000698	RJ-45F/DB-25M Console Adapter (4-pack)	110
76000699	76000699	RJ-45F/DB-25F Console Adapter (4-pack)	110
76000700	76000700	RJ-45F/DB-25M Modem Adapter (4-pack)	110
76000701	76000701	RJ-45F/DB-9M Modem Adapter (4-pack)	110
76000702	76000702	RJ-45F/DB-9M Modem Adapter (8-pack)	55, 111
76000705	76000705	19" Rack Mount Kit (Digi CM 8)	111
76000707	76000707	16" Daisy Chain Cable	101, 116
76000708	76000708	60" Daisy Chain Cable	101, 116
76000709	76000709	120" Daisy Chain Cable	101, 116
76000713	76000713	Digi Neo 2-Port DB-9M Fan-Out Cable	103, 113
76000717	76000717	Extended Temperature Power Supply	23, 85, 86, 111
76000723	76000723	48" RJ-45 Bare Wire Cable	110
76000724	76000724	48" DB-9 Bare Wire Cable (Digi One devices)	110
76000818	N/A	Power Cord - US 15A plug to RPM input	117
N/A	76000819	Power Cord - UK plug to RPM input	117
N/A	76000820	Power Cord - International RPM output to end device	117
76002042	76002042	8-Port DB-9M Straight Fan-Out Cable	97, 105, 115
77000448	77000448	AccelePort C/X Universal PCI (3.3V & 5V) RS-232	99
77000455	77000455	AccelePort Xem Universal PCI (3.3V & 5V)	101
77000560	77000560	AccelePort Xr 920 Universal PCI (3.3V & 5V) 4-Port RS-232 (w/o cables)	97
77000561	77000561	AccelePort Xr 920 Universal PCI (3.3V & 5V) 8-Port RS-232 (w/o cables)	97
77000573	77000573	AccelePort Xr 920 Universal PCI (3.3V & 5V) 2-Port RS-232 DB-9M) On-Board	97
77000576	77000576	ClassicBoard PCI (5V) 4-Port RS-232 w/o Cables	105
77000578	77000578	ClassicBoard PCI (5V) 8-Port RS-232 w/o Cables	105
77000583	N/A	AccelePort RAS 8 North America	108
N/A	77000584	AccelePort RAS 8 Europe (Austria, Belgium, Denmark, Finland, Greece, Iceland, Italy, Ireland, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, UK)	108
N/A	77000585	AccelePort RAS 8 Germany, South Africa	108
N/A	77000586	AccelePort RAS 8 Australia, New Zealand, Switzerland	108
77000616	N/A	AccelePort RAS 4 North America	108
N/A	77000617	AccelePort RAS 4 Europe (Austria, Belgium, Denmark, Finland, Greece, Iceland, Italy, Ireland, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, UK)	108
N/A	77000618	AccelePort RAS 4 Germany, South Africa	108



Part Numbers :: North America & International

North America Part Numbers	International Part Numbers	Product Name and Descr	Page #
N/A	77000619	AccelePort RAS 4 Australia, New Zealand, Switzerland	108
77000659	77000659	AccelePort Xp Universal PCI (3.3V & 5V) 2-Port RS-232 DB-9M On-Board	95
77000706	77000706	AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232	95
77000707	77000707	AccelePort Xp Universal PCI (3.3V & 5V) 8-Port RS-232	95
77000708	77000708	AccelePort Xp Universal PCI (3.3V & 5V) 16-Port RS-232	95
77000770	77000770	ClassicBoard PCI (5V) 8-Port w/Powered 5V Serial Ports RS-232 w/o Cables	105
77000771	77000771	ClassicBoard PCI (5V) 4-Port w/Powered 5V Serial Ports RS-232 w/o Cables	105
N/A	77000772	AccelePort RAS 8 Latin America (Mexico, Argentina, Chile)	108
N/A	77000773	AccelePort RAS 8 Asia (Japan, Singapore, Hong Kong, Korea, Taiwan)	108
N/A	77000774	AccelePort RAS 8 Israel, Hungary	108
N/A	77000775	AccelePort RAS 4 Latin America (Mexico, Argentina, Chile)	108
N/A	77000776	AccelePort RAS 4 Asia (Japan, Singapore, Hong Kong, Korea, Taiwan)	108
N/A	77000777	AccelePort RAS 4 Israel, Hungary	108
77000835	77000835	Digi Neo Universal PCI (3.3V & 5V) 4-Port Low Profile (board only)	103
77000836	77000836	Digi Neo Universal PCI (3.3V & 5V) 8-Port Low Profile (board only)	103
77000838	77000838	AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232 RJ-45 On-Board	95
77000845	77000845	AccelePort Xp Universal PCI (3.3V & 5V) 4-Port Low Profile RS-232	95
77000846	77000846	AccelePort Xp Universal PCI (3.3V & 5V) 8-Port Low Profile RS-232	95
77000847	77000847	Digi Neo Universal PCI (3.3V & 5V) 2-Port DB-9M	103
77000848	77000848	Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45	103
77000849	77000849	Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45 Low Profile	103
77000851	77000851	Digi Neo Universal PCI (3.3V & 5V) 2-Port DB-9M	103
77000852	77000852	Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45	103
77000853	77000853	Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45 Low Profile	103
77000855	77000855	Digi Neo Universal PCI (3.3V & 5V) 4-Port RJ-45	103
77000856	77000856	Digi Neo Universal PCI (3.3V & 5V) 4-Port RJ-45	103
77000857	77000857	Digi Neo Universal PCI (3.3V & 5V) 4-Port w/o Cables	103
77000858	77000858	Digi Neo Universal PCI (3.3V & 5V) 8-Port w/o Cables	103
77000862	77000862	ClassicBoard PCI (5V) 4-Port RS-422	105
77000863	77000863	ClassicBoard PCI (5V) 8-Port RS-422	105
77000864	77000864	Digi Neo Universal PCI (3.3V & 5V) 1-Port DB-25M	103
77000865	77000865	Digi Neo Universal PCI (3.3V & 5V) 1-Port DB-25M Low Profile	103
77000877	77000877	AccelePort Xem Universal PCI (3.3V & 5V) Low Profile	101
301-1000-02	301-1000-02	Edgeport/2 - 2 serial DB-9	69
301-1000-04	301-1000-04	Edgeport/4 - 4 serial DB-9	69
301-1000-10	301-2000-10	Edgeport/416 - 4 USB, 16 serial DB-9	69
301-1000-12	301-1000-12	Edgeport/2i - 2 RS-422/485 serial DB-9	69
301-1000-21	301-1000-21	Edgeport/21 - 2 serial DB-9, 1 parallel	69
301-1000-24	301-1000-24	Edgeport/4i - 4 RS-422 serial DB-9	69
301-1000-28	301-1000-28	Edgeport/8i - 8 RS-422 serial DB-9	69
301-1000-80	301-1000-80	Edgeport/2m - 2 serial DB-9, metal chassis	69
301-1000-81	301-1000-81	Edgeport/4m - 4 serial DB-9, metal chassis	69
301-1000-85	301-1000-85	Edgeport/8im - 8 RS-422 serial DB-9, metal chassis	69
301-1000-94	301-1000-94	Edgeport/4s MEI - 4 RS-232/422/485 DB-9 software selectable	69
301-1001-11	301-1001-11	Edgeport/1 - 1 serial DB-9	69
301-1001-15	301-1001-15	Edgeport/1 Captive Cable - 1 serial DB-9, attached 2m USB cable	69
301-1001-21	301-1001-21	Edgeport/1 25-Unit Bulk Pack (25 ea. 301-1001-11)	69
301-1001-22	301-1001-22	Edgeport/1 100-Bulk Pack (100 ea. 301-1001-11)	69
301-1001-31	301-1001-31	Edgeport/1i - 1 RS-422/485 serial DB-9	69

Part Numbers :: North America & International

North America Part Numbers	International Part Numbers	Product Name and Descr	Page #
301-1001-42	301-2001-42	Edgeport/42+ - USB to 4-port powered USB hub; 2 serial DB-9; power supply	71
301-1002-08	301-1002-08	Edgeport/8 - 8 serial DB-9	69
301-1002-14	301-1002-14	Edgeport/8r - 8 serial RJ-45	69
301-1002-98	301-1002-98	Edgeport/8s MEI - 8 RS-232/422/485 DB-9 software selectable	69
301-1003-10	301-1003-10	Edgeport/2c - 2 serial DB-9, captive 2m USB cable	69
301-1003-30	301-1003-30	Edgeport/22c - 2 serial DB-9, 2 USB, captive 2m USB cable	69
301-1004-12	301-2004-12	Edgeport/412 - 4 USB, 12 serial DB-9	69
301-1004-21	301-2004-21	Edgeport/421 - 4 USB, 2 serial DB-9, 1 parallel	69
301-1010-04	301-2010-04	Hubport/4 - 4-port USB hub	75
301-1010-07	301-2010-07	Hubport/7 - 7-port USB hub	75
301-1010-14	301-2010-14	Hubport/4+ - USB to 4-port powered USB hub; power supply	71
301-1010-30	301-2010-30	Hubport/4 DC - 4-port USB hub with DC input power	75
301-1010-70	301-2010-70	Hubport/7 DC - 7-port USB hub with DC input power	75
301-1012-04	301-2012-04	Rapidport/4 - USB to 4 56K V.92 modems; RJ-11	74
301-1012-08	301-2012-08	Rapidport/4 Dual Unit - 2 Rapidport/4 units	74
301-1016-01	301-1016-01	Edgeport/4/DB-25 - 4 serial DB-25	69
301-1016-08	301-1016-08	Edgeport/8/DB-25 - 8 serial DB-25	69
301-1016-12	301-2016-12	Edgeport/412/DB-25 - 4 USB, 12 serial DB-25	69
301-1016-16	301-2016-16	Edgeport/416/DB-25 - 4 USB, 16 serial DB-25	69
301-1022-04	301-1022-04	Edgeport/2+2i - 2 RS-232 serial, 2 RS-422 serial DB-9	69
301-1050-01	301-1050-01	Edgeport/E USB Ethernet Adapter	112
301-1101-01	301-1101-01	USB Upgrade Kit PCI to USB Expansion Card	112
301-1117-01	N/A	Wavespeed/LAN - USB-to-802.11b WLAN	76
301-1121-01	301-2121-01	Wavespeed/S Class 1	87
301-1122-01	301-2122-01	Wavespeed/S Class 2	87
301-1123-01	301-2123-01	Wavespeed/S Class 1 Pair	87
301-1124-01	301-2124-01	Wavespeed/S Class 2 Pair	87
301-1130-01	301-2130-01	AnywhereUSB/5 - Ethernet to 5 USB ports	65
301-1141-01	301-1141-01	Watchport/H - humidity & temperature sensor	73
301-1143-01	301-1143-01	Watchport/P - proximity sensor	73
301-1144-01	301-1144-01	Watchport/T - temperature sensor	73
301-1145-01	301-1145-01	Watchport/W - water detector	73
301-1146-01	301-1146-01	Watchport/D - distance sensor	73
301-1147-01	301-1147-01	Watchport/A - accelerometer	73
301-1149-01	301-1149-01	Hubport/PCI+ - PCI to 4-port powered USB card; optional power supply sold separately	71
301-1150-01	301-1150-01	Hubport/PCI+ - PCI to 4-port powered USB card; internally powered	71
301-1151-01	301-2151-01	Hubport/PCI+ - PCI to 4-port powered USB card with external power supply	71
301-1157-01	301-2157-01	Hubport/4c+ - USB to 4-port powered USB compact hub	71
301-1170-01	301-1170-01	Hubport/PCI+ LP 1x24V - Low Profile PCI - 1 x 24V	71
301-1171-01	301-1171-01	Hubport/PCI+ LP 3x12V - Low Profile PCI - 3 x 12V	71
301-1172-01	301-2172-01	Hubport/PCI+ LP 1x24V w/PS - Low Profile PCI - 1 x 24V with power supply	71
301-1173-01	301-1173-01	Hubport/PCI+ LP 1x24V w/cable - Low Profile PCI - 1 x 24V with ribbon cable to 12V card	71
301-9000-01	301-9000-01	1-Meter A to B USB Cable	112
301-9000-02	301-9000-02	5-Meter A to B USB Cable	112
301-9000-06	301-9000-06	3-Meter A to B USB Cable	112
301-9000-07	301-9000-07	2-Meter A to B USB Cable	112
301-9000-10	301-9000-10	4-Meter A to B USB Cable	112
301-9001-01	301-9001-01	Edgeport 19" Rack Mount Kit	112
301-9002-01	301-9002-01	5-Meter USB Repeater Cable	112



Part Numbers :: North America & International

North America Part Numbers	International Part Numbers	Product Name and Descr	Page #
301-9003-01	301-9003-01	Edgeport/4 Wall/Shelf Mount Bracket	112
301-9004-01	301-9004-01	Edgeport/8 Wall/Shelf Mount Bracket	112
301-9006-01	301-9006-01	6' USB to Parallel Printer Cable	112
301-9007-01	301-9207-01	Hubport/PCI+ Power Supply - optional power supply for 301-1149-01	71
301-9010-01	301-9010-01	Watchport/V2 USB Camera	72
301-9015-01	301-9015-01	Watchport/V USB Camera Lens Pack (3 mm wide angle, 8 mm close-up, 12 mm telephoto)	72, 112
301-9018-01	301-9018-01	Watchport/V Wall Mount	72, 112
301-9019-01	301-9019-01	Watchport/V Clamp Mount	72, 112
301-9026-01	301-9026-01	Watchport Sentry Software License - single camera per host	72, 79
301-9027-01	301-9027-01	Watchport Console Software License - 2 cameras per host	72, 79
301-9029-01	301-9029-01	Watchport Console Extra License - for additional Console connections	72, 79
DC-ANT-24DP	DC-ANT-24DT	2.4 GHz Dipole Antenna (single-unit pack)	117
DC-ANT-24DP-10	DC-ANT-24DP-10	2.4 GHz Dipole Antenna (10-unit pack)	117
DC-ANT-24DP-50	DC-ANT-24DP-50	2.4 GHz Dipole Antenna (50-unit pack)	117
DC-ANT-24DT	DC-ANT-24DT	2.4 GHz Desktop Antenna (single-unit pack)	117
DC-ANT-24DT-25	DC-ANT-24DT-25	2.4 GHz Desktop Antenna (25-unit pack)	117
DC-ANT-24DT-50	DC-ANT-24DT-50	2.4 GHz Desktop Antenna (50-unit pack)	117
DC-ANT-DBDP	DC-ANT-DBDP	Dual Band Wireless Dipole Antenna 4" - up to 2 dbi gain	117
DC-ANT-DBDP-25	DC-ANT-DBDP-25	Dual Band Wireless Dipole Antenna 4" (25-unit pack)	117
DC-ANT-DBHG	DC-ANT-DBHG	Dual Band Wireless Hi-Gain Antenna 14" - up to 4 dbi gain	117
DC-ANT-DBHG-25	DC-ANT-DBHG-25	Dual Band Wireless Hi-Gain Antenna 14" (25-unit pack)	117
DC-ANT-E-24DP	DC-ANT-E-24DP	30 cm Dipole Antenna Extension Cord (single-unit pack)	117
DC-ANT-E-24DP-25	DC-ANT-E-24DP-25	30 cm Dipole Antenna Extension Cord (25-unit pack)	117
DC-ANT-E-24DP-50	DC-ANT-E-24DP-50	30 cm Dipole Antenna Extension Cord (50-unit pack)	117
DC-EM-02T-C	DC-EM-02T-C	Digi Connect EM-C w/LED Array and RJ-45 Connector (single-unit pack)	43
DC-EM-02T-GN	DC-EM-02T-GN	Digi Connect EM Development Kit (GNU)	43, 46
DC-EM-02T-KT	DC-EM-02T-KT	Digi Connect EM Integration Kit	43, 45
DC-EM-02T-NC	DC-EM-02T-NC	Digi Connect EM-C w/Pin Headers (single-unit pack)	43
DC-EM-02T-S	DC-EM-02T-S	Digi Connect EM-S w/LED Array and RJ-45 Connector (single-unit pack)	43
DC-ME-01T-C	DC-ME-01T-C	Digi Connect ME-C (single-unit pack)	41
DC-ME-01T-GN	DC-ME-01T-GN	Digi Connect ME Development Kit (GNU)	41, 46
DC-ME-01T-KT	DC-ME-01T-KT	Digi Connect ME Integration Kit	41, 45
DC-ME-01T-S	DC-ME-01T-S	Digi Connect ME-S (single-unit pack)	41
DC-RG-GE10A	DC-RG-GE10A-W	Digi Connect Remote Gateway GSM with Antenna	86
DC-RG-S1XA	N/A	Digi Connect Remote Gateway CDMA with Antenna	86
DC-SP-01-C	DC-SP-01-C	Digi Connect SP - 1 port	27
DC-SP-01-GN	DC-SP-01-GN	Digi Connect SP Development Kit (GNU)	27, 46
DC-WAN-GE10A	DC-WAN-GE10A-W	Digi Connect WAN GSM with Antenna	85
DC-WEM-02T-C	DC-WEM-02T-C	Digi Connect Wi-EM-C w/LED Array (single-unit pack w/o antennas)	43
DC-WEM-02T-NC	DC-WEM-02T-NC	Digi Connect Wi-EM-C w/Pin Headers (single-unit pack w/o antennas)	43
DC-WEM-02T-S	DC-WEM-02T-S	Digi Connect Wi-EM-S w/LED Array (single-unit pack w/o antennas)	43
DC-WME-01T-C	DC-WME-01T-C	Digi Connect Wi-ME-C (single-unit pack with antenna)	41
DC-WME-01T-S	DC-WME-01T-S	Digi Connect Wi-ME-S (single-unit pack with antenna)	41
DC-WSP-01-C	DC-WSP-01-C-WW	Digi Connect Wi-SP-C	28
DC-WSP-01-GN	DC-WSP-01-GN	Digi Connect Wi-SP Development Kit (GNU)	28, 46
DC-WSP-01-S	DC-WSP-01-S-WW	Digi Connect Wi-SP-S	28

**Digi International Inc.**

11001 Bren Road East
Minnetonka, MN 55343
PH: 1-877-912-3444
1-952-912-3444
Email: info@digicom

Digi International GmbH

Joseph-von-Fraunhofer Str. 23
D-44227 Dortmund
Germany
PH: +49-231-9747-0

**Digi International
(HK) Limited**

Suite 1703-05, 17/F
K Wah Centre
191 Java Road
North Point, Hong Kong
PH: +852-2833-1008

Digi International (HK) Limited - Beijing

Representative Office
Rm 16B12, 16F, Han Wei Plaza
No.7 Guang Hua Road, Chao Yang District
Beijing 100004, China
PH: +86-10-6561-8310

Digi International Denmark

Naverland 2
2600 Glostrup
Denmark
PH: +45-491-770-90

Digi International N.V.

Keizersgracht 62-64
1015 CS Amsterdam
Netherlands
PH: +31-20-5207-566

Digi International (UK) Ltd

Ashwood House, Almondsbury
Business Center Woodlands
Bradley Stoke, Bristol
BS32 4QH
PH: +44(0)1454-643444

Digi International

2 rue de L'Eglise
92200 Neuilly sur Seine, France
PH: +33-1-55-61-98-98

Inside Out Networks

7004 Bee Caves Road
Bldg. 3, Ste. 200
Austin, TX 78746
PH: 1-512-306-0600

NetSilicon

411 Waverly Oaks Road #304
Waltham, MA 02452
PH: 1-800-243-2333
1-781-647-1234

NetSilicon Japan

NES Bldg. South 8F 22-14 Sakuragaoka-cho
Shibuya-ku, Tokyo, 150-0031
Japan
PH: +81-3-5428-0261



www.digi.com/productcatalog

91000051
LI-605