

iConverter[®] 4Tx 4-Port 10/100BaseTx Ethernet Managed Switch



FEATURES

- The *iConverter 4Tx* Managed Ethernet Switch supports 10Base-T or 100Base-Tx on 4 UTP ports
- Enhanced features include PortVLAN, Port Access Control, and MIB Statistics
- Multiple 4Tx modules can be installed to expand the port concentration in a single chassis
- Supports half/full duplex and auto-negotiation
- RJ-45 crossover support eliminates need for different cables in connecting to various devices
- Backplane Ethernet ports for connectivity to adjacent modules
- Telnet or serial port interface module configuration
- SNMP management via *NetOutlook*[™] provides real-time port and module information, remote parameter configuration and trap notification
- Conforms to IEEE 802.3, 10Base-T, and 100Base-Tx specifications
- Modules are hot-swappable in 19-Module, 5-Module, 2-Module or 1-Module chassis
- Lifetime warranty

DESCRIPTION

The *iConverter 4Tx* 10/100 Ethernet Managed Switch module is a member of the *iConverter* product family. It provides a compact 4-Port 10/100 Ethernet switch that is expandable across the *iConverter* 19-Module, 5-Module and 2-Module chassis backplanes, as well as being supported as a stand-alone switch with the *iConverter* 1-Module Chassis.

The *iConverter 4Tx* UTP ports feature 10/100Mbps speed, half/full duplex, and auto-negotiation with both hardware and software controls. Hardware control is available for two ports while all four ports are under software control for these features.

RJ-45 crossover support eliminates need for a crossover cable and facilitates connectivity to different types of network equipment. The 4Tx Cross-Over switch is supported on Port 1. Ports 2, 3, and 4 support an automatic cross-over detection mode. The 4Tx also features two Ethernet backplane ports to provide connectivity to adjacent modules for network expansion and for In-Band connectivity to an *iConverter* Network Management Module.

4Tx enhanced features include Port VLAN which allows complete control of traffic flow between a module's ports, and Port Control which incorporates remote management of each individual port. The 4Tx supports reporting of MIB statistics. Statistics are available for 32 variables per port, reporting a wide range of real-time packet statistics to provide performance and operational monitoring.

Like all *iConverter* modules, the 4Tx is hot swappable and supports four mounting options. It can be mounted in a 19-Module (2U, 3.5 inch high) or 5-Module (1U, 1.75 inch high) space-saving rack-mountable chassis (19-inch or 23-inch) with any combination of redundant AC and 48VDC power supplies. It can also be mounted in a 2-Module AC or 48VDC powered chassis or in a 1-Module AC powered chassis.

The *iConverter* family is an In-Band or Out-of-Band SNMP-managed media converter family. Supporting 10, 100, 10/100, Gigabit Ethernet, T1, E1, OC-3 and OC-12 technologies, the *iConverter* family is suitable for LAN and MAN networks where copper to single or redundant fiber, multimode fiber to single-mode fiber, or dual-fiber to single fiber conversions are required.

SNMP MANAGEMENT SYSTEM

Management is accomplished by using a Network Management Module (NMM) that can be accessed via Telnet using the serial port through Omnitron's *NetOutlook*™ SNMP-based management

software or any other SNMP software. The management provides real-time port and module information, remote parameter configuration and trap notification.

Some of the real-time 4Tx parameters that can be monitored include power and link and data receive status. Other parameters include module type and model, hardware and software revisions, serial numbers, and a user-defined identifier.

The user can override the 4Tx module's physical switch settings by using SNMP or Telnet to remotely configure switch-selectable parameters such as Auto-Negotiation, half/full-duplex, and Backplane Selection.

In addition to all standard *iConverter* SNMP traps such as module insertion and removal, the 4Tx modules can generate traps on port state changes including link-up and link-down. Trap monitoring of specific events can be selectively enabled or disabled by the network administrator.

MODULE SPECIFICATIONS

Model Type	Protocols	Copper Connector	Controls	LED Displays	Dimensions	Weight	Compliance	Power Requirement	Temperature -Operating -Storage	Altitude	MTBF(hrs)
4Tx	10Base-T, 100Base-Tx	RJ-45	UTP X-over (Port 1), BP Enable, Auto/Man, 10/100, FD/HD	Pwr, UTP link, 10/100	W0.85" x D4.5" x H2.8"	8 oz.	UL, CE, FCC Class A	3.0 watts	0 to 50 C -40 to 80 C	0-10,000ft	1,176,471

ORDERING INFORMATION

Model Type	Connectors	Distance
8480-4	4 RJ45	100m

CHASSIS OPTIONS

Configuration	19-Module AC	19-Module DC	5-Module AC	5-Module DC	2-Module AC	2-Module DC	1-Module US	1-Module Intl
One (1) Power Supply	8200-1	8205-1	8220-1	8225-1	8230-0	8235-0	8240-1	8240-2
Two (2) Power Supply	8200-2	8205-2	8220-2	8225-2	-	-	-	-
Three (3) Power Supply	8200-3	8205-3	-	-	-	-	-	-
Spare Power Supply	8200-9	8205-9	8220-9	8225-9	-	-	-	-
23" Rack Mounting Kit	8091-2	8091-2	8092-2	8092-2	-	-	-	-
Wall Mounting Hardware Kit	-	-	-	-	8249-0	8249-0	8249-0	8249-0
Blank Module Panel	8090-1	8090-1	8090-1	8090-1	8090-1	8090-1	-	-

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