



GLOBALSTAR

G S P
1620

SATELLITE DATA MODEM

QUALCOMM's Globalstar Satellite Data Modem is designed to deliver reliable digital data communications virtually anywhere in the world using QUALCOMM's patented CDMA technology and the Globalstar™ Communications System's constellation of 48 Low-Earth-Orbit (LEO) satellites.

Globalstar

www.qualcomm.com

This Satellite Data Modem provides a reliable, wireless data link to remote locations serviced by Globalstar Gateways, where terrestrial and landline service is unavailable.

Besides two-way Business-to-Business Internet Communications with land and marine-based equipment, users can also monitor, control, and track fixed and mobile Supervisory Control and Data Access (SCADA) telemetry devices.

Designed for multiple applications, the GSP-1620 Satellite Data Modem offers a flexible solution for the Original Equipment Manufacturer, and an integrator's kit for accelerated time to market.

Features:

- Globalstar Satellite Data Service

Data:

- IP Packet Data over PPP
- Asynchronous Circuit Switched Data
- 9.6 kbps Full Duplex Service Rate (7.4 kbps average throughput)
- Utilizes Standard "Hayes Modem" AT Commands
- Compatible with Windows 95/98/2000 Dial-Up Networking
- Short Messaging Service (SMS)
 - Paging-channel module-terminated SMS (8 character)
 - Traffic-channel module-terminated SMS (256 character)
- Authentication/Encryption

Location Services:

- Location determined with Globalstar satellites to within 10 km, 95% confidence

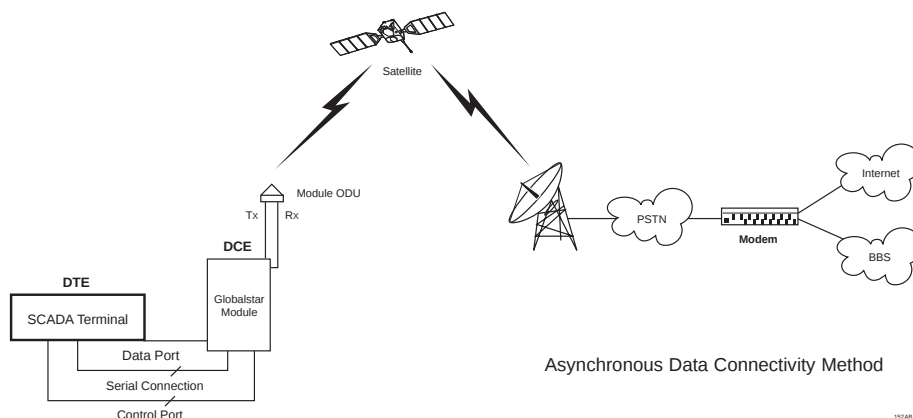
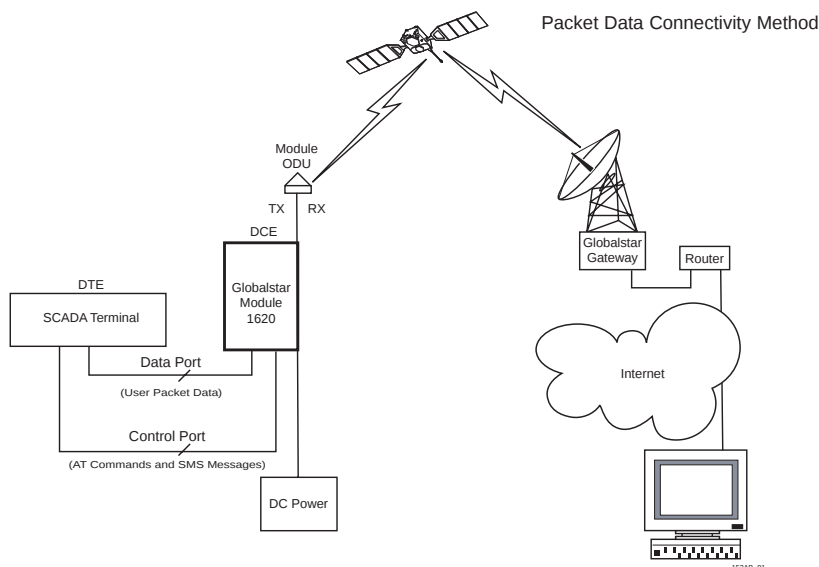
Integrator's Kit:

(sold separately)

- Modem
- Antenna
- Cables
- Reference Manual
- Programming Support Tools
- AT Command Script files

SPECIFICATIONS:

Operating Frequencies		Transmit: 1610 – 1625 MHz			
		Receive: 2484 – 2499 MHz			
Maximum Transmit Power		+26 dBm EIRP (0.4 W)			
DC Input Voltage		+5.6 V to +16 V			
Power Consumption Estimates @ 12V Input:		State	Min	Typical	Max
		Shutdown	1.2	2.4	3.6
		Receive	0.28	0.5	2.4
		Transmit	3.6	4.8	5.4
Units					
mW					
W					
W					
Interfaces					
User Port		DB25 Serial RS-232 with pin-outs for data, control and power			
Modem Antenna Connectors		TX MCX Female			
		RX MCX Female			
Antenna Connectors		TX SMA Female			
		RX SMA Female			
Diagnostic Monitor and Software Upgrade		DE9 Connector			
Modem Dimensions		190 x 75 x 17 mm (7.48 x 2.95 x .68 in.)			
Modem Weight		Less than 180 grams (6.3 ounces)			
Antenna (Included)		103 mm (4.1 in.) diameter by 63 mm (2.5 in.) tall			
		Estimated weight is less than 250 grams (8.8 ounces)			
Antenna Cable (Not Included)		(2) cables required: (transmit & receive)			
		Male SMA to Male MCX			
		Maximum 0.6 dB insertion loss @ 1618 MHz			
Certification		FCC			
		CE			
Modem Environmental Conditions		Operating:	-30° C to +60° C		
		Storage:	-40° C to +85° C		
Antenna Environmental Conditions		Operating/Storage:	-40° C to +85° C		
		Relative humidity:	5% to 100%		



For further information, please send e-mail to: gs.modules.info@qualcomm.com

The information contained herein is subject to change at any time without notice