



GSP-1620 SATELLITE DATA MODEM



Technical 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:

Shutdown - 1.2 Min. / 2.4 Typical
3.6 Max. / mW Units
Receive - 0.28 Min. / 0.5 Typical
2.4 Max. / W Units
Transmit - 3.6 Min. / 4.8 Typical
5.4 Max. / W Units

Modem Dimensions:

190 x 75 x 17 mm
(7.48 x 2.95 x 0.68 in.)

Modem Weight:

< 180 grams (6.3 ounces)

Antenna Dimensions:

103 (d) x 63 mm (h)
(4.1 in. (d) x 2.5 in. (h))

Antenna Weight:

Estimated weight is less than 250 grams (8.8 ounces)

Certification: FCC and CE

Modem Environmental Conditions:

Operating -30 °C to +60 °C
Storage -40 °C to +85 °C

Antenna Environmental Conditions:

Operating -40 °C to +85 °C
Relative humidity 5% to 100%

The Satellite Data Modem delivers reliable digital data communications virtually anywhere in the world using QUALCOMM's patented CDMA technology and the Globalstar constellation of 48 Low-Earth-Orbit (LEO) satellites.

Besides two-way business to business Internet communications with land, marine, or aviation based equipment, the GSP-1620 Satellite Data Modem, can cost-effectively retrieve data automatically from isolated power substations, or remote metering facilities such as oil and gas supply stations. Unmanned sensors connected to a Satellite Data Modem can monitor remote operations and initiate alert notifications.

An integrated data transmission application can:

- Enhance the performance and operational reliability of remote installations
- Reduce operating and maintenance costs
- Increase efficiency
- View the status of your equipment and recorders without wasting valuable personnel time
- Operate valves
- Receive immediate notification when certain levels are reached so you can make better business decisions and manage assets and perishables more effectively

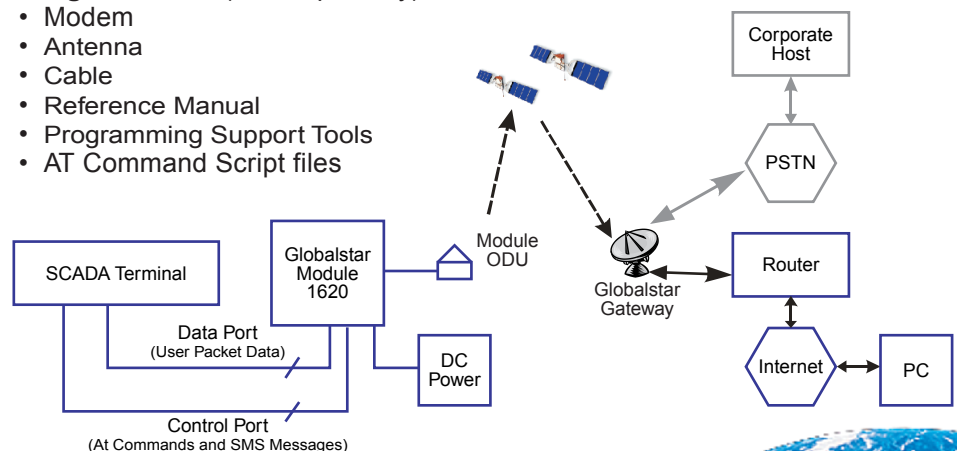
Designed for multiple applications, the GSP-1620 Satellite Data Modem offers a flexible solution for the Original Equipment Manufacturer (OEM).

Globalstar QUALCOMM GSP-1620 Features:

- Two modes of call set-up:
 - IP Packet Data over PPP
 - Asynchronous Circuit Switched Data
- 9.6 kbps Full Duplex service rate
- Utilizes Standard "Hayes Modem" AT Command
- 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 determined with Globalstar satellites to within 10km, 95% confidence

Integrator's Kit: (sold separately)

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



* Not all service features available in all locations. Check with your Globalstar service provider for details.

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