



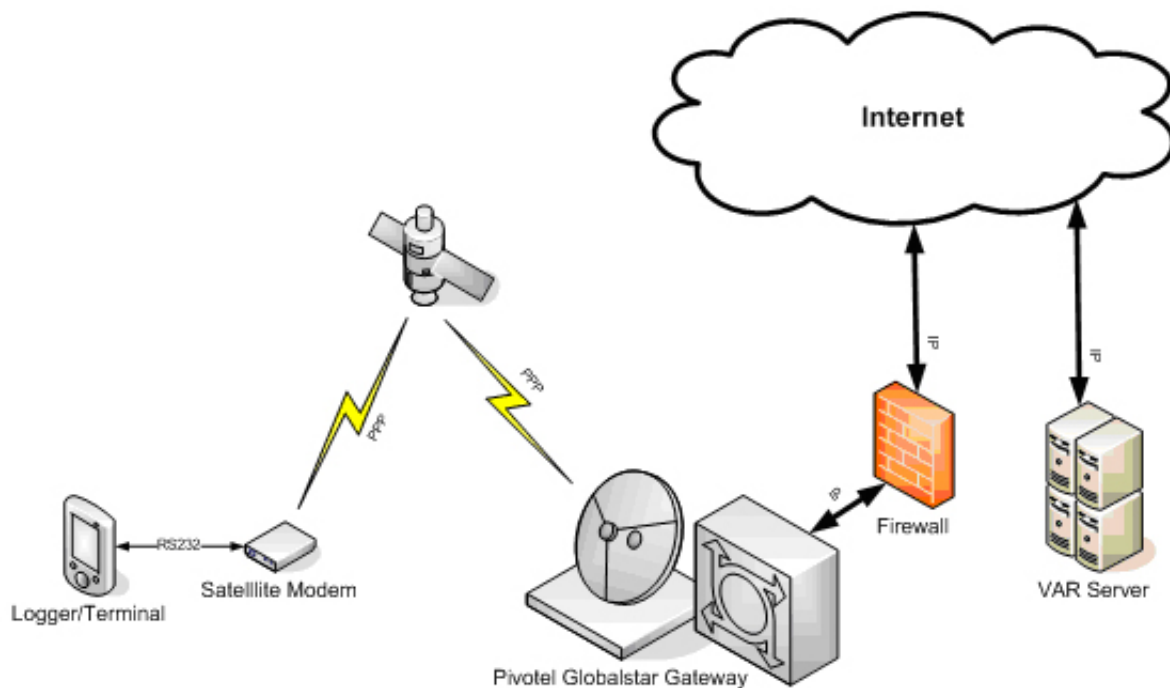
Wholesale Data Services

Duplex Satellite Packet Data Services

Pivotal Duplex Satellite Data Services are real time duplex data services that support Packet Data across the Internet or private networks. Using serial data modems that are available as OEM modules to be embedded into third party devices, Duplex Satellite Data Services use the Globalstar satellite constellation and offer a packet data solution for SCADA and telemetry devices without the coverage constraints of terrestrial mobile networks. Pivotal can support both public or private fixed IP addresses depending on the solution requirements.

Features:

- IP Packet data
- Privated IP subnets available*
- Ideal for store and forward IP based data loggers



Pivotal Duplex Satellite Packet Data System

* Terms and Conditions Apply

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Duplex Satellite Services GSP 1620 Packet Data Modem

Pivotel's GSP1620 Packet data modem is an ideal solution where mobile or fixed remote assets with onboard sensing and logging equipment require an IP based connection to a central application server.

The GSP1620 Packet Data modem, manufactured by Qualcomm, provides a low cost IP based connection for a mobile satellite service. Service is available across all of Australia's landmass and up to 500 nautical miles from the coastline, including full coverage of the New Zealand mainland.



The modem provides secure, 2 way packet data communications at 9.6kbps and is designed as an OEM unit, providing both system integrators and OEMs a real-time, low cost bi-directional data solution for fixed and mobile use.

The modem is cost effective and ideally suited for "bursty" data traffic scenarios, enabling users to automatically retrieve data from isolated power sub stations or remote monitoring facilities such as oil and gas supply stations. Unmanned sensors and data loggers can collect sensor data and then use the packet data modem to return that data to the application server.

Features:

- IP Packet Data over PPP
- 9.6kbps full duplex service rate
- Utilises standard "Hayes Modem" AT command set
- RS232 interface

Specifications

Network	Globalstar Satellite
Frequency	Transmit 1610-1625 MHz, Receive 2484-2499 MHz
Maximum Transmit Power	+26dBm EIRP (0.4W)
Standby	2.4 mW/Units (average)
Receive	0.5 W/Units (average)
Transmit	4.8 W/units (average)
Input Voltage	+5.6V + 16V DC
Mass	Modem 180g, Antenna 250g
Size	Modem 190 x 75 x 17mm, Antenna 103 x 103 x 63mm
Operating Temperature	-30 °C to +50 °C
Protocol	RS232

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