



XIRGO TECHNOLOGIES



XT-1900
GPRS Quad-Band Cellular Modem
Specification



XIRGO TECHNOLOGIES

XT-1900 is the most versatile, compact and economical GSM based cellular modem available today. With an optional integrated GPS engine, rugged design to meet extreme environmental conditions, ease of configuration through AT commands and a rechargeable battery backup, XT-1900 is the ultimate solution for multitude of applications such as precision asset tracking, AMR and remote equipment monitoring.

XT-1900 is an all digital GSM/GPRS modem utilizing the latest digital GSM cellular networks for added reliability. As a quad-band GSM/GPRS modem with an asynchronous serial port supporting configurable RS-485 and RS-232 interface with baud rates up to 460,800, XT-1900 can communicate with virtually any device with RS-485, RS-232 or USB interface in any country with GSM/GPRS network.

With multiple user defined I/O ports and user programmable event generator, XT-1900 can be configured for reliable control and monitoring of functions such as temperature, oil pressure, lock and un-lock doors and establish geofence.

XT-1900 is another example of Xirgo Technologies' dedication to design and manufacture of superior products.



XT-1900 Characteristics

- All functionality controlled through AT commands
- Supports RS-485 and RS-232 at baud rates up to 460,800
- GPRS class B multi-slot class 10
- Supports TCP, UDP, FTP, Telnet, and ICMP
- Auto report new dynamic IP address
- Over-the-air firmware upgrade
- Supports SMS connectivity
- Event triggered messages can be sent to up to 4 user stored numbers via SMS
- Supports Geofence

Specifications

Frequency Band	850/900/1800/1900 MHz
Transmit Power	2W @ 850/900 MHz 1W @ 1800/1900 MHz
Status Indicators	Network registration/SIM/GPRS GPS position acquisition status

GPS specification

• Receiver	12 channel
• Receiver Sensitivity	-154 dBm
• Accuracy	10 meter
• Cold Start	40 sec
• Hot Start	3 sec
• Interface	SMA female connector, Supports 3.3V for active antenna

Network Functionality

- Auto-Register to GPRS network
- GPRS Class B, Multi-Slot 10
- Auto Reports Dynamic IP Assignment
- Remote command line interface via Telnet
- Configurable as TCP Server and Client
- Supports TCP, UDP, FTP, Telnet and ICMP
- OTA Firmware Upgrade Using FTP
- SMS connectivity- Stores up to 4 SMS numbers

Power Requirement

• D.C Power	6-32V
• GSM 850/900	80mA average @12V
• GSM 1800/1900	75mA average @12V

Physical Connection

• Cellular Antenna Connector	SMA female
• GPS Antenna Connector	SMA female
• Data Connector	-RS232- Mini DIN connector -USB -RS485- Micro Mate connector
• Power Connector	I/O terminal block 4 digital inputs, 2 analog inputs 2 general purpose outputs
• Expansion Port	For expanded I/O capability

Mechanical

Case Material	Extruded aluminum
Dimensions	3" X 2.8" X1.1"
Weight	4 oz.
Operating Temperature	-30°C to +70°C



XIRGO TECHNOLOGIES

**2889 Bunsen Ave. Suite A
Ventura CA, 93003
Office (805) 426-5243
Fax (805) 339-9736**

www.xirgotech.com