



XIRGO TECHNOLOGIES

XT-4500G GPRS Modem with Integrated GPS

XT-4500G is a self contained GPRS modem with integrated GPS engine and antenna, cellular and PCS antenna, optional motion detector, optional accelerometer and optional 650, 960 or 6600 mAh internal rechargeable battery. With a powerful 32-bit microprocessor and unique power management algorithm, XT-4500G consumes less than 120 μ A in sleep mode and yet is capable of periodic reporting of health, status and location of remote assets. With multiple input and output ports along with proven embedded application, XT-4500G is an ideal solution for monitoring and control of high value remote assets where input power availability is of concern.

XT-4500G has been designed with the latest GPS technology allowing GPS tracking under extreme conditions where most other competing products fail. With its ultra compact size and optional weatherproof case (meets IEC 68-2-27 environmental standard), XT-4500G can be used for a myriad of applications such as container, trailer and motorcycle tracking.

XT-4500G is another example of Xirgo Technologies' dedication to the development of unique and flexible products to address ever growing number of applications and customer requirements.



XT-4500G Specification highlights

- GPRS class B multi-slot class 10
- Supports 850/1900, 900/1800 MHz
- LED status indicators for GPS, Network registration
- Over-the-air configuration and firmware upgrade
- Supports TCP, UDP, FTP
- Integrated GPS receiver and antenna for tracking applications
- Supports SMS connectivity
- Internal 650, 960 or 6600* mA rechargeable battery for applications requiring longer battery life. *Note: larger batteries increase dimensions of device.

Specifications

| | |
|-------------------|---|
| Frequency Band | 850/1900, 900/1800 MHz |
| Transmit Power | 2W @ 850/900 MHz 1W @ 1800/1900 MHz |
| Status Indicators | Network registration/GPRS GPS status |

GPS specification

| | |
|---------------------------------|--------------|
| • Receiver | 50 channels |
| • Receiver Tracking Sensitivity | -161 dBm |
| • Accuracy | +/- 2.5m CEP |
| • Cold Start | < 33 sec |
| • Hot Start | < 1 sec |

Network Functionality

- Auto-Register to GPRS network
- GPRS Class B, Multi-Slot 10
- Supports TCP, UDP and FTP
- OTA Firmware Upgrade Using FTP
- SMS connectivity

Power Requirement

- | | |
|---------------|---|
| • Input Power | 6-24VDC |
| • Current | 40 mA active average; 120 μ A sleep mode |
| • Battery | Internal 650, 960 or 6600 rechargeable Li-Ion |

Physical Connection

- 8 pin Microfit connector
- 4 I/O

Mechanical

- | | |
|-------------------------|--|
| • Case Material | ABS plastic– Other optional weather-proof enclosure available |
| • Dimensions | 2.4" X 1.8" X 0.7" Note: larger batteries increase dimensions of device |
| • Weight | 4 oz. |
| • Operating Temperature | -30°C to +70°C |
| • Storage Temperature | -30°C to +70°C |

Certifications

- PTCRB
- FCC
- AT&T Network

Xirgo Technologies
www.xirgotech.com
(805) 426-5095