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XT-4500-G
IntelliStar
Ultra Low Power GPRS Modem with
Integrated GPS



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

IntelliStar 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, IntelliStar can be used for a myriad of applications such as container, trailer and motorcycle tracking.

IntelliStar 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-4500-G Specification highlights

- GPRS class B multi-slot class 10
- Supports 850/900/1850/1900 MHz
- LED status indicators for GPS, GSM 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 mAh rechargeable battery for applications requiring longer battery life

Specifications

Frequency Band	850/1900 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

- | | |
|-------------|--|
| • D.C Power | 6-24V |
| • Battery | 40 mA active average; 120 uA sleep mode
Internal 650, 960 or 6600 rechargeable Li-Ion |

Physical Connection

- 8 pin Microfit connector
- 4 configurable I/O

Mechanical

Case Material	ABS plastic– Other optional weather-proof Enclosure available
Dimensions	2.4" X 1.8" X 0.7"
Weight	4 oz.
Operating Temperature	-30°C to +75°C



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