



XIRGO TECHNOLOGIES



XT-5000-G

IntelliTrack

Ultra Low Power Rugged GPRS
Modem with Integrated GPS



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IntelliTrack is a fully self contained GPRS modem with integrated GPS engine, cellular and PCS antennas, motion detector, optional accelerometer and integrated 9,000 mAh internal battery. With a powerful 32-bit microprocessor and unique power management algorithm, IntelliTrack consumes less than 120 uA in sleep mode and yet capable of periodic reporting of health, status and location of remote assets. With an optional 9,000 mAh battery and proper configuration, IntelliTrack can operate up to 3 years without a need for battery replacement.

IntelliTrack has been designed for extreme environmental conditions. With a rugged construction based on IEC 68-2-27 environmental standard IntelliTrack is an ideal solution for outdoor applications such as trailer and container tracking. IntelliTrack has been designed with the latest GPS technology allowing GPS tracking under extreme conditions where most other competing products fail.

IntelliTrack 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-5000-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 9,000 mAh battery

Preliminary 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
- Internal 9000 mAh battery
40 mA active average; 120 uA sleep mode

Mechanical

Case Material	ABS plastic– Other optional weather-proof Enclosure available
Dimensions	6.5" X 3.6" X 1.6"
Weight	12 oz.
Operating Temperature	-40°C to +70°C



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