



XIRGO TECHNOLOGIES



XT-2000-G  
IntelliMatics  
GPRS Modem with Integrated GPS



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IntelliMatics is a technology platform that allows Xirgo to rapidly develop customized tracking devices which can communicate vehicle location information to owners via the ubiquitous GSM/GPRS network. With an integrated GPS engine and cellular modem, and embedded PCS and GPS antennas, IntelliMatics is the basis for a compact, cost effective solution for vehicle and fleet owners to monitor the location, speed and the travel direction of their vehicles. IntelliMatics has optional digital inputs to monitor external events such as ignition status and an internal analog input used to monitor battery voltage. In addition to multiple inputs, IntelliMatics also provides an optional digital output that can drive ignition relays. For installation in GPS challenged environments, IntelliMatics also has an optional external GPS antenna connector.

IntelliMatics incorporates a quad band GSM/GPRS modem which can be used in virtually any country where a GSM network is available. With its highly mature firmware, the device can support TCP, UDP & FTP and is capable of firmware update and configuration over-the-air.

IntelliMatics is another example of Xirgo Technologies' dedication to a flexible design-to-manufacture model that reduces time-to-market for customized products.



### XT-2000-G Summary

- GPRS class B multi-slot class 10
- Supports 850/900/1800/1900 MHz
- LED status indicators for GPS lock and GSM registration
- Over-the-air firmware upgrade
- Supports TCP, UDP, FTP
- Integrated GPS engine and GPS antenna
- Supports SMS connectivity
- Optional external GPS antennas for improved GPS sensitivity

# Specifications

Frequency Band	850/1900 MHz, 900/1800 MHz
Transmit Power	33 dBm@ 850-900 MHz 30 dBm @ 1800-1900 MHz
Status Indicators	Network registration/GPRS GPS position acquisition status

## **GPS specification**

• Receiver	16 channel
• Receiver Sensitivity	-158 dBm
• Accuracy	+/- 2.5m CEP
• Cold Start	<38 sec (@ 45 dB C/N)
• Hot Start	< 3 sec (@45 dB C/N)

## **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	10-16V
• GSM 850	23 mA average @12V
• GSM 1900	20mA average @12V

## **Physical Connection**

• Power and input/output	14 pin Micro Fit Connector
• Optional GPS Antenna	SMA female

## **Mechanical**

Case Material	ABS plastic
Dimensions	2.0" X 1.8" X 1"
Weight	<2 oz.
Operating Temperature	-30°C to +75°C



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