



XIRGO TECHNOLOGIES



XT-2150G-X1x1  
IntelliMatics  
GPRS Modem with Integrated GPS



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IntelliMatics is a fully integrated tracking device for communicating vehicle location information to owners via ubiquitous GSM/GPRS networks. With an integrated GPS engine, embedded cellular, PCS and GPS antennas, IntelliMatics is a cost effective solution for vehicle and fleet owners to monitor the location, speed and the direction of their vehicles. IntelliMatics provides 2 all purpose digital inputs and 1 internal analog input used to monitor battery voltage. In addition to multiple inputs, IntelliMatics provides a digital output that can drive ignition relays. IntelliMatics has an optional external GPS connector for instances where higher GPS sensitivity is required. With it's compact design, IntelliMatics can be covertly installed in tight locations.

IntelliMatics is 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, it supports TCP, UDP, FTP and is capable of firmware update and configuration over-the-air.

IntelliMatics is another example of Xirgo Technologies' dedication to design and manufacture of innovative products.



### XT-2150G-X1x1 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	50 channel
• Receiver Sensitivity	-161 dBm
• Accuracy	+/- 2.5m CEP
• Cold Start	< 33 sec (@ 45 dB C/N)
• Hot Start	< 1 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	40mA average @12V
• GSM 1900	40mA 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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