



XIRGO TECHNOLOGIES

XT-2100G GPRS Modem with Integrated GPS

XT-2100G is a fully integrated tracking device for communicating mobile asset location information to owners via ubiquitous GSM/GPRS networks. With an integrated GPS engine, embedded cellular, PCS and GPS antennas, XT-2100G is a cost effective solution for monitoring vital location data for remote assets. XT-2100G provides 2 all purpose digital inputs and 1 internal analog input used to monitor battery voltage. In addition to multiple inputs, XT-2100G provides a digital output that can drive ignition relays. XT-2100G has an optional external GPS connector for instances where higher GPS sensitivity is required. With it's compact design, XT-2100G can be covertly installed in tight locations.

XT-2100G 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.

XT-2100G is another example of Xirgo Technologies' dedication to design and manufacture of innovative products.



XT-2100G Specification highlights

- GPRS class B multi-slot class 10
- Supports 850/1900, 900/1800 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

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 Specifications

• D.C. Power	10-16 VDC
• GSM 850	40mA average @12V
• GSM 1900	40mA average @12V

Physical Connection

- Power and input/output
- 14 pin Micro Fit Connector

Mechanical

• Case Material	ABS plastic
• Dimensions	2.0" X 1.8" X 1"
• Weight	< 2 oz.
• Operating Temperature	-30°C to +70°C

Certifications

- PTCRB
- FCC
- ATT