



XIRGO TECHNOLOGIES

XT-2000G OBD II/GPRS Modem with Integrated GPS

XT-2000G is the most versatile and economical diagnostic device available today for communicating vital vehicle information to owners via ubiquitous GSM/GPRS networks. With an optional integrated GPS engine, embedded quad-band cellular GPS antennas, and integrated OBDII interface, XT-2000G is the ultimate solution for fleet managers in need of monitoring location, speed, VIN, ignition status and many other codes available on the OBD port of vehicles. With an integrated J1962 connector, an extremely compact design powered through the OBD port, and low power consumption, XT-2000G can be installed in a matter of seconds by anyone without tools or manuals making it truly plug and play.

XT-2000G, which operates on GSM/GPRS network, supports TCP, UDP and FTP protocols and can be completely configured and updated over-the-air. The highly sensitive, discrete GPS antenna design provides optimal performance in a small package. The XT2000G supports countless standard OBDII protocols making it compatible with a majority of vehicles available in North America.

XT-2000G is another example of Xirgo Technologies' dedication to design and manufacture of superior products.



XT-2000G Summary

- GPRS class B multi-slot class 10
- Supports 850/1900, 900/1800 MHz
- LED status indicators for GPS lock, GSM registration and OBD II communication
- Over-the-air firmware upgrade
- Supports TCP, UDP, FTP
- Integrated GPS engine and antenna for tracking applications
- Supports SMS connectivity
- Supports all OBDII protocols
- No external antennas or power connectors needed

Specifications

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

GPS specification

• Receiver	50 channel
• Receiver 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

OBD II Protocols Supported

- J1850 PWM
- J1850 VPW
- ISO-9141-2
- ISO-14230 KWP2000
- ISO-15765 CAN

Power Specifications

• D.C. Power	6-18 VDC
• GSM 850	35mA average @12V
• GSM 1900	30mA average @12V

Physical Connection

• OBD Connector	J1962
• GPS Antenna	Integrated
• Cellular Antenna	Integrated quad-band

Mechanical

• Case Material	ABS plastic
• Dimensions	1.8" X 1.5" X 1"
• Weight	< 2 oz.
• Operating Temperature	-30°C to +70°C

Available Configurations

- XT-2000G-X001 Standard OBD Modem
- XT-2000G-X041 Motion detector; limited direct OBD parameter parsing
- XT-2000G-X081 Standard OBD Modem + Accelerometer

Certifications

- PTCRB
- FCC

Xirgo Technologies
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