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

<table>
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<tr>
<th>Specification</th>
<th>Details</th>
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<tr>
<td><strong>Frequency Band</strong></td>
<td>850/1900, 900/1800 MHz</td>
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<tr>
<td><strong>Transmit Power</strong></td>
<td>33 dBm @ 850/900 MHz</td>
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<tr>
<td></td>
<td>30 dBm @ 1800/1900 MHz</td>
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<tr>
<td><strong>Status Indicators</strong></td>
<td>Network registration/GPRS, GPS position acquisition status, OBDII lock status</td>
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#### 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