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XT-2000-O
IntelliPort
OBD II/GPRS Modem with Integrated GPS



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IntelliPort is a technology platform that allows Xirgo to rapidly develop customized telematics devices to communicate vital information from passenger vehicles and light-duty trucks using the OBDII protocol and the ubiquitous GSM/GPRS network. With an optional integrated GPS engine, embedded cellular, PCS and GPS antennas, and integrated OBDII interface, IntelliPort is the basis for the ultimate solution for fleet managers in need of monitoring location, speed, and parameters 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, IntelliPort can be installed in matter of seconds, which substantially reduces the high cost of installation.

The mature firmware modules used in IntelliPort support TCP, UDP, FTP and are capable of firmware update over-the-air. With a highly sensitive GPS engine along with an integrated GPS antenna and multiple OBD II protocols supported, IntelliPort can be installed in majority of vehicles available in North America.

IntelliPort is another example of Xirgo Technologies' dedication to a flexible design-to-manufacture model that reduces time-to-market for customized products for various M2M and telematics verticals.



XT-2000-O Summary

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

Specifications

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

GPS specification

• Receiver	16 channel
• Receiver Sensitivity	-158 dBm
• Accuracy	+/- 2.5m CEP
• Cold Start	<38 sec
• Hot Start	< 3 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 Requirement

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

Physical Connection

• OBD Connector	J1962
• GPS Antenna	Integrated
• Cellular Antenna	Integrated dual-band (850-1900 MHz)

Mechanical

Case Material	ABS plastic
Dimensions	1.8" X 1.5" X 1"
Weight	<2 oz.
Operating Temperature	-30°C to +75°C



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