

OBC4000 GPRS LOCATION MESSAGING UNIT

The OBC4000 features cutting-edge technology in an affordable location device with the smarts to help meet customers' ever changing requirements. The 4th generation GPS-based unit offers technology and pricing advantages that lower the cost of delivering, supporting, and growing fleet-management solutions.

WORLDWIDE GPRS NETWORK

The OBC4000 uses the worldwide GSM network, covering more people and places than any other wireless network in the world. The digital capabilities of the GPRS network is well suited for the transfer of data in virtually any wireless market in the United States.



EXPANDED INTERFACE

Connecting the optional ioPOD™ to the OBC4000 expands the capabilities to support up to 13 additional inputs/ outputs and 2 serial ports for integration with on-board equipment. Additionally the Bluetooth plug-in module lets one communicated with other Bluetooth devices in the vehicle. The OBC4000 saves upfront costs by providing the ioPOD option which can be added at any point in the future.

OUTSTANDING APPLICATION INTERFACE

While an important element of any fleet management application is the hardware in the vehicle, the crucial element is the application software that controls the human interface. The On-Board Communications' Dashboard product is clearly one of the most powerful yet user friendly applications available today.

**Contact On-Board Communications to find out more about the OBC4000
and the On-Board Dashboard Fleet Application**

Specifications

Technical Specifications

Location Technology	16 channel GPS (with WAAS)
Location Accuracy	3 meter CEP (with SA off)
Communication Modes	Supports GPRS packet data and SMS

Environmental Specifications

Operating Temperature	-20° C to 55° C
Storage Temperature	-30° C to 85° C
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standard 202G and 810F, SAE J1455
EMC/EMI	SAE J1113

Connectors

- TNC (cellular antenna)
- SMA (GPS antenna with tamper monitoring, 3.3v)
- 6 Pin Molex (power, ignition, I/O)
- 16 Pin Molex (for optional adapter cables)

Comprehensive I/O

- Ignition input
- Relay driver output (150 mA)
- 2 programmable I/O
 - input, high/low selectable
 - output, relay driver (150 mA)
- Vehicle voltage A/D input
- 2 built-in LEDs for cellular and GPS status
- 3-wire harness included
- Optional serial adapter (*see Optional Accessories*)
- Optional ioPOD™ adapter (*see Optional Accessories*)

Physical Specifications

Dimensions	4.78" (L) x 3.5" (W) x 1.25" (H)
Weight	12 ounces

Electrical Specifications

Power source	9 - 30V DC
Power consumption (active)	< 500 mA at 12V
Power consumption (sleep)	< 10 mA

Peripheral Device Support (*with add-on adapters*)

- User data (smart/dumb terminals, data collection, device control, barcode readers, RFID)
- NMEA GPS output (in-vehicle mapping)
- IP access via PPP or SLIP (laptops, PDAs)

Mounting

- Flanges for tie wraps or screws

Optional Accessories

- All necessary antennas (GPS, cellular, combined GPS/cellular)
- Serial adapter cable
 - RS-232 8-wire (PPP, SLIP, AT Commands, NMEA GPS output)
- Bluetooth plug-in module
- ioPOD™ adapter cable
 - Host Serial RS-232, 8-wire (PPP, SLIP, AT Commands, NMEA GPS output)
 - Aux Serial RS-232, 3-wire
 - 5 inputs, high/low selectable
 - 4 A/D inputs
 - 4 relay driver outputs (150 mA)
- Add-on wires for standard harness

Warranty

- One (1) year parts and labor