



MobileCom XE

1xEV-DO PC/104 *Plus* Modem with Integrated GPS Receiver



- 1xEV-DO Digital Cellular Modem
- Qualcomm Technology On-Board
- 2.4Mbps (Reverse) 153Kbps (Forward)
- CDMA 1xRTT 2.5G backward compatible
- Fully E911 compliant
- Integrated GPS Receiver (NMEA)
- 10/100 Ethernet and Serial interfaces
- Optional Dual Purpose EV-DO/GPS Antenna
- Approved for operation on:
 - Verizon Nationwide Network
 - Sprint Nationwide Network
 - Alltel Nationwide Network
- 5V or 3.3V DC Active Antenna
- Optional Thermal Plates

The Western DataCom MobileCom XE is a high speed digital 3G cellular PC/104 *Plus* card with integrated GPS. 1xEV-DO service provides a high bandwidth data service, 550Kbps on average, ideally suited to end users and as a cost effective alternate to Satellite and WiFi services.

Using 3G technology, the MobileCom XE provides Internet connectivity anywhere on the Verizon, Sprint and Alltel nationwide networks at broadband like speeds. When combined with the Western DataCom IPE encryptor the MobileCom 3G provides continuous, secure mobile connectivity to the home network.

Typical EV-DO Modem throughputs of 500+ Kbps with burst capability to 2.4Mbps provide sufficient bandwidth for mobile communications; voice, video and data. The Western DataCom MobileCom XE uses the latest Qualcomm 3G technology and is upgradeable to Rev A.

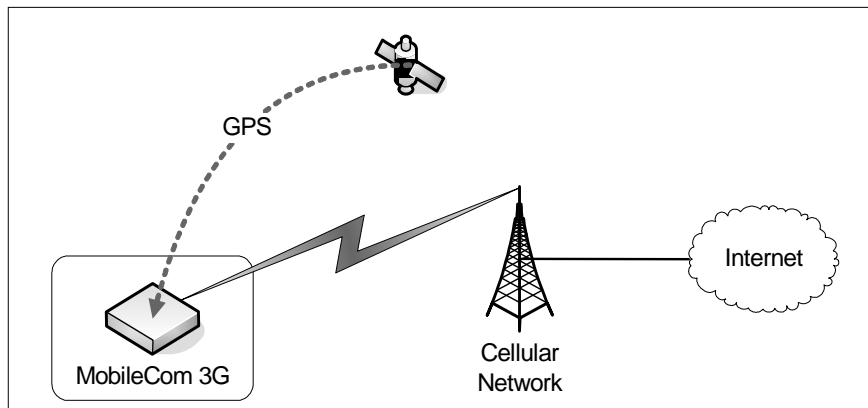
The GPS (Global Positioning System) receiver produces a highly accurate navigation solution. The MobileCom XE provides the ability to receive this data via serial interface or over Ethernet encapsulated in IP.

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CDMA Specifications:

- IS-86 (CDMA 1xEV-DO)
- IS-2000 (CDMA 1xRTT)
- IS-95A/B
- IS-801 Location Services
- IS-707-AData
- IS-637-ASMS
- Support for *gpsOne*

Frequency Bands:

- 800MHz US Cellular, 1900MHz US PCS bands

Environmental Specifications:

- -30C to +60C operating temperature (CDMA)

GPS Specifications:

- SiRFstarII chipset
- 12-channel receiver
- NMEA and SiRF binary protocol
- Active and passive antenna's

Environmental Specifications:

- -40C to +85C operating temperature
- -304m to 18000m altitude
- 500m/s vehicle (acquisition and navigation)

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The data on this sheet is summary in nature and subject to change. Please refer to this product's technical manual for complete details. Printed in U.S.A.

12-Month Warranty:

Refer to the user manual for details on Western DataCom's exclusive, limited warranty and extended warranties.

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