



MobileCom 104

Dual Wireless PC/104 *Plus* Modem with Integrated GPS Receiver



- Multifunction Cellular Modem
- Up to 153Kbps Throughput
- CDMA 1xRTT 2.5G(3G)
- GSM/GPRS Class 10
- Integrated GPS Receiver (NMEA)
- Single PC/104 *Plus* Card Solution
- RS-232 serial interfaces
- Optional Dual Purpose CDMA/GPS Antenna
- Approved for operation on:
 - Verizon Nationwide Network
 - Sprint Nationwide Network
 - Cingular
 - T Mobile
- 5V or 3.3V DC Active Antenna

The Western DataCom MobileCom 104 is a dual cellular PC/104 *Plus* card that supports CDMA, GSM/GPRS and GPS on a single card. 1xRTT and GSM/GPRS services provides a moderate bandwidth data service ideally suited to end users and as backup to Satellite and WiFi services.

Using 2.5G technology, the MobileCom 104 provides Internet connectivity anywhere on the Verizon, Sprint, Cingular and T Mobile nationwide networks. When combined with the Western DataCom IPE encryptor the MobileCom 104 provides continuous, secure mobile connectivity to the home network.

Typical CDMA Modem throughputs of 64 to 80 Kbps with burst capability to 153Kbps provide sufficient bandwidth for mobile communications. GSM/GPRS operation provides throughput of 40 to 64K with bursts up to 115Kbps. The Western DataCom MobileCom 104 is upgradable to the latest 3G standards, EV-DO and UMTS, which are capable of sustained throughputs of 256 Kbps and above.

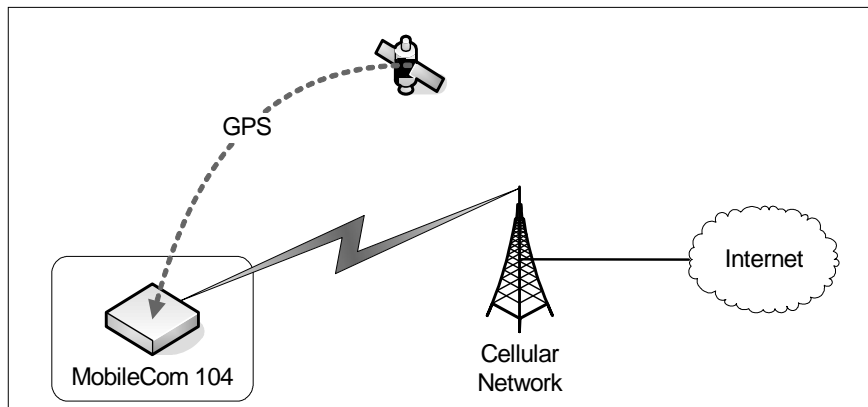
The GPS (Global Positioning System) receiver produces a highly accurate navigation solution. This positional information can be utilized for continuous asset tracking. Used in conjunction with tower GPS (A-GPS), redundancy can be achieved for asset tracking applications.

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CDMA Specifications:

- CDMA 2000 1xRTT (Qualcomm MSM6050)
- Band Class 0 (Tx:824 ~ 849/Rx:869 ~ 894 MHz)
- Band Class 1 (Tx:1850 ~ 1910/Rx:1930 ~ 1990 MHz)

GSM/GPRS Specifications:

- GSM/GPRS Class 10 850/1900MHz
- GSM/GPRS Class 10 900/1800MHz

Environmental Specifications:

- -30C to +60C operating temperature (CDMA)
- -20C to +55C operating temperature (GSM/GPRS)

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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