

MultiModem® Cell

CDMA Cellular Modem



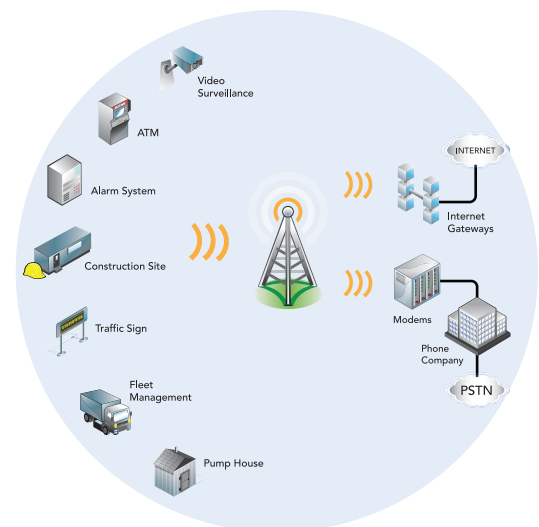
The MultiModem® Cell CDMA cellular modem offers standards-based dual-band CDMA2000 1xRTT performance. This ready-to-deploy, standalone modem provides wireless data communication and integrates seamlessly with virtually any application. It is available with a broad range of interface options including RS-232/RS-422 and USB to cover all of your application needs. The MultiModem Cell cellular modem is based on industry-standard open interfaces and can be desktop or panel mounted.

Features

- CDMA2000 1xRTT
- Dual-band 800/1900 MHz CDMA
- Supports Short Message Service such as text, UCS-2, point-to-point (MT/MO) and cell broadcast
- Available with RS-232/RS-422 or USB 2.0 interfaces
- Packet data up to 153.6K bps
- Circuit-switched data up to 14.4K bps
- IS-95A, IS-95B backwards compatible
- SMA antenna connector
- Configured using CDMA AT commands
- Multiple LEDs provide ongoing operational status
- Over-the-Air activation
- Desktop or panel mounting
- CDG 1 and 2 certified
- Two-year warranty

Benefits

- Rugged industrial chassis
- Multiple interface modules available
- Carrier approved



Highlights

Applications. The MultiModem Cell cellular modem is ideal for automated machine-to-machine applications such as remote diagnostics and remote monitoring which periodically need to send or receive data over a wireless network.

Reduces Development Time. The MultiModem Cell cellular modem can make your existing and next generation device communication-ready without requiring any hardware changes to its design. It provides faster time-to-market because it relieves the burden and expense of obtaining RF and carrier approvals. This complete, ready-to-deploy cellular modem allows you to enhance your product while you focus on developing its core features.

Voice Features. The MultiModem Cell cellular modem provides telephony and Dual Tone Multi Frequency (DTMF) functionality, as well as QCELP (13K) and echo cancellation.

Compatible Supplementary Services. The MultiModem Cell cellular modem is compatible with supplementary services such as call forwarding, call barring, multiparty, call waiting and call hold, calling line identification, closed user group and call transfer.

Management Features. The MultiModem Cell cellular modem provides advanced management features including phone book management, fixed dialing number, real time clock and alarm management.

Industrial Chassis. The MultiModem Cell cellular modem is packaged in a rugged, industrial chassis with an SMA antenna connector. It can be desktop or panel mounted and features multiple LEDs providing ongoing operational status.

Comprehensive Service and Support. The Multi-Tech commitment to service means we provide a two-year product warranty and service that includes free technical support, 24-hour web site and ftp support.

Specifications

Packet Data Features

CDMA2000 1xRTT, up to 153.6K bps forward & reverse
Dual-band 800/1900 MHz

Circuit Switched Data/Fax Features

IS-95A, IS-95B up to 14.4K bps forward & reverse

SMS Features

Text, UCS-2, Point-to-Point (MO/MT), cell broadcast

Connectors

RF Antenna: 50 ohm SMA female
Power: 2.5mm miniature screw (serial models only)
RS-232/RS-422: DE-9 female (serial models only)
USB: USB Type B (USB models only)

Voice Connectors

RS-232/RS-422 Models: Optional Y-cable
USB Models: RJ-9 4-pos modjack

Power Requirements

9V to 32VDC (serial models only)
Bus powered (USB models only)

Operating System Support

Windows XP/2003/Vista/2008/7 (32-bit/64-bit)
Linux (2.6.28 or greater)

Physical Description

4.1" w x 1.1" h x 2.4" d 0.4 lbs
(12.5 cm w x 2.7 cm h x 8.6 cm d) 0.2 kg

Environment

Operating: -22° to +158° F (-30° to +70° C)
Storage: -40° to +185° F (-40° to +85° C)
Humidity: 20% to 90% RH noncondensing

Approvals

EMC Compliance: FCC Part 15 Class B
Radio Compliance: FCC Part 22, 24; RSS 132,133
Safety: UL 60950-1; cUL 60950-1; IEC 60950-1
Network: CDG 1&2

Ordering Information

Product	Description	Region
MTCBA-C1*	800/1900 MHz CDMA Modem (Serial Interface)	Regional
MTCBA-C1-U*	800/1900 MHz CDMA Modem (USB Interface)	Regional

Ordering Codes

-N2	For Sprint Networks (USA)
-N3	For Verizon Wireless Networks (USA)
-N16	For Aeris Communications Networks (USA)
-NAM	Includes US Style Power Plug

* Use ordering codes for specific build options. Go to www.multitech.com for detailed product model numbers.

Produced in the US of US and non-US components.

Features and specifications are subject to change without notice.

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