

MultiModem® CDMA

Cellular Modem



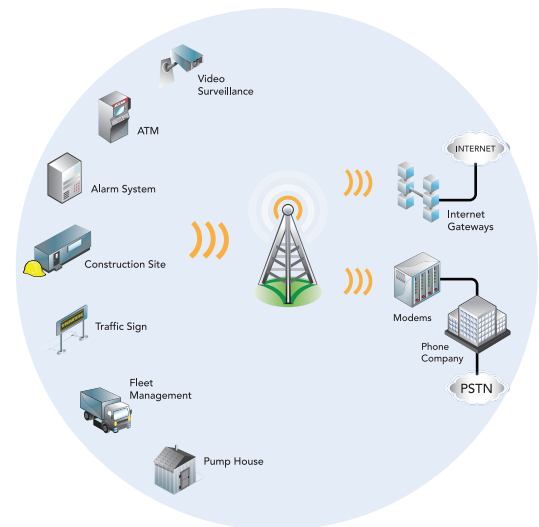
Benefits

- Rugged industrial chassis
- RS-232 interface
- Carrier approved

The MultiModem® 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 an RS-232 interface to cover your application needs. The MultiModem CDMA 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 interface
- 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



Highlights

Applications. The MultiModem CDMA 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 CDMA 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.

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

Industrial Chassis. The MultiModem CDMA 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

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
RS-232: DE-15 female

Power Requirements

9V to 32VDC

Operating System Support

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

Physical Description

4.3" w x 2.4" d x 0.94" h 0.4 lbs
(11 cm w x 6.1 cm d x 2.4 cm h) 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-C1X*	800/1900 MHz CDMA Modem	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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