

MultiModem™ CDMA

External Data/Fax/Voice Wireless Modem



Benefits:

- Rugged industrial chassis design
- Desktop or panel mounting
- LEDs provide operational status
- Fully type approved

The Multi-Tech MultiModemCDMA is an external data/fax/voice wireless modem. Designed for global use, it offers standards-based multi-band CDMA2000 1x performance. This ready-to-deploy, standalone modem allows developers to add wireless communication to products with a minimum of development time and expense. The MultiModem CDMA is based on industry-standard open interfaces, is fully type approved, and can be desktop or panel mounted.

Features

- CDMA2000 1xRTT
- CDMA IS-95-A, IS-95B
- Class 2.0 Group 3 FAX
- Dual-band 800/1900 CDMA
- Desktop or panel mounting
- Short Message Service features including SMS mobile originated, SMS mobile terminated, cell broadcast, Over the Air Activation (OTA), OTASP, OTAPA
- SMA antenna connector
- Serial interface supporting DTE speeds to 230K
- AT command compatible
- Numerous LEDs provide operational status
- Voice features include DTMF, telephony, QCELP 13K, echo cancellation
- Supplementary services including call forwarding, call barring, multiparty, call waiting and call hold, calling line identification, closed user group, call transfer
- Phone book management
- Personal Information Management (PIM)
- Fixed dialing number
- Real time clock
- Alarm management

*A Complete,
Ready-to-deploy,
External Wireless
Modem*

Highlights

Applications. With packet data speeds up to 153K bps, the MultiModem CDMA is targeted at applications that periodically need to send or receive data over a wireless network. It is an ideal solution for:

- Appliances
- ATM terminals
- Automotive
- Data collection
- Gas pumps
- Industrial and medical remote monitoring systems
- Remote diagnostics
- Remote metering
- Security systems
- Vending/gaming machines
- Other devices requiring wireless connectivity

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

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

Short Message Services. The MultiModem CDMA offers SMS services such as cell broadcast, Over the Air Activation (OTA), OTASP, and OTAPA. The MultiModem CDMA is SMS Mobile Originated and SMS Mobile Terminated.

Compatible Supplementary Services. The MultiModem CDMA 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 CDMA provides advanced management features including phone book management, fixed dialing number, real time clock and alarm management.

Industry-standard Modem Commands. The MultiModem CDMA provides industry-standard AT-style commands for ease of integration into your existing software application.

Specifications

Power Requirements:

5 V to 32VDC; 400mA Typical @5V, 700mA Maximum @ 5V

Physical Description:

4.3" w x 2.4" h x 0.94" d; 4.2 oz.
(11 cm x 6.1 cm x 2.4 cm; 120 g)

Operating Environment:

-20 - 50°C

Certifications:

CE Mark
EMC: FCC Part 2, 15, 22, 24, EN 55022 & EN 55024
Safety: UL 60950, EN 60950

Ordering Information

Product	Description	Region
MTCBA-C	CDMA2000 1xRTT, 800/1900 MHz	Global

Made in Mounds View, MN, U.S.A.

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Industrial Chassis. The MultiModem GSM/GPRS is packaged in a rugged, water resistant, industrial chassis with an RS-232 DE-15 Voice/Data interface connector and permanent screw-type power connector. An SMA antenna connector provides for desktop or panel mounting. Numerous LEDs provide operational status.

Network and RF Approved. The MultiModem CDMA has been tested and certified with wireless telecom network providers worldwide. In addition, it has successfully completed worldwide compliance testing for global RF approval.

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