

MultiModem® Cell

EDGE Cellular Modem



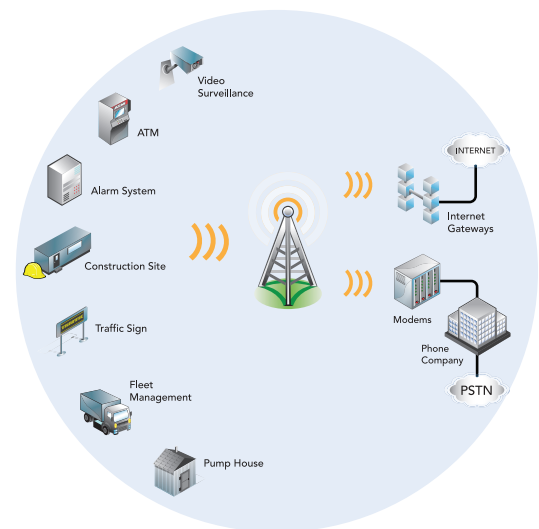
The MultiModem® Cell EDGE cellular modem offers standards-based quad-band GSM/GPRS/EDGE performance. This ready-to-deploy, standalone modem provides wireless data communication and integrates seamlessly with virtually any application. It is available with a broad range of interface options including 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

- E-GPRS Class 12
- GPRS Class 12
- Quad-band GSM/GPRS/EDGE 850/900/1800/1900 MHz
- Supports Short Message Service such as text and PDU mode, point-to-point (MT/MO) and cell broadcast
- Available with RS-232/RS-422 or USB 2.0 interfaces
- Packet data up to 240K bps
- Circuit-switched data up to 14.4K bps
- SMA antenna connector and SIM socket
- Configured using EDGE AT commands
- Multiple LEDs provide ongoing operational status
- Desktop or panel mounting
- PTCRB 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.

Ordering Information

Product	Description	Region
MTCBA-E1	Quad-band EDGE modem (Serial interface)	Global
MTCBA-E1-U	Quad-band EDGE modem (USB interface)	Global

Ordering Codes

-NAM	Includes US Style Power Plug
-EU	Includes Euro Style Power Plug
-GB/IE	Includes UK 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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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

EDGE: E-GPRS Class 12, E-GPRS up to 240K bps, coding scheme MCS 1-9, mobile station Class B, LLC layer, 4 time slots

GPRS: Class 12. Full PBCCH support, coding scheme 1-4, mobile station Class B

Quad-band GSM/GPRS/EDGE 850/900/1800/1900 MHz

Circuit Switched Data/Fax Features

Up to 14.4K bps, non-transparent

SMS Features

Text & PDU, Point-to-Point (MO/MT), cell broadcast

Connectors

RF Antenna: 50 ohm SMA female

Power: 2.5mm miniature screw (serial models only)

SIM: Standard 1.8V & 3V SIM receptacle

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; EN55022 Class B

Radio Compliance: FCC Part 22, 24; RSS 132,133;

EN 301 489-1; EN 301 489-7; EN 301 511; AS/ACIF S042.1, S042.3

Safety: UL 60950-1; cUL 60950-1; IEC 60950-1

Network: PTCRB

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