

MultiModem® rCell

Intelligent HSPA Wireless Router



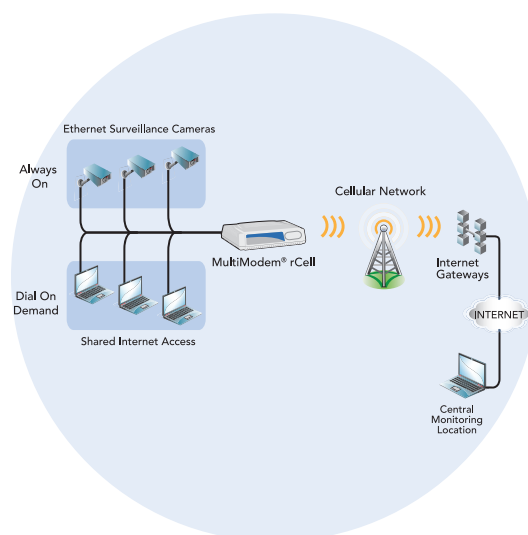
The MultiModem® rCell intelligent HSPA wireless router offers standards-based quad-band HSPA 7.2 performance via the integrated cellular modem. This ready-to-deploy, standalone router integrates seamlessly with virtually any application. The intelligent embedded operating system allows for automatic/persistent connectivity for mission-critical applications and enhanced machine-to-machine (M2M) functionality. The MultiModem rCell intelligent wireless router includes 10/100BaseT Ethernet connectivity and can be desktop or panel mounted.

Features

- Quad-band GSM/GPRS/EDGE/HSPA
- Frequency bands 850/900/1900/2100 MHz
- Download speeds up to 7.2M bps; Upload speeds up to 5.76M bps
- 10/100BaseT Ethernet LAN connectivity
- Embedded operating system for enhanced M2M functionality
- Stateful Packet Inspection firewall with packet filter rules
- Supports IPSec VPN tunnels for secure LAN-to-LAN access
- 3DES and AES encryption
- Built-in dynamic DNS client
- SMA antenna connector and SIM socket
- Desktop or panel mounting
- FCC, Industry Canada, PTCRB and R&TTE certified
- Web-based management and configuration
- Two-year warranty

Benefits

- Intelligent Embedded OS
- Stateful Packet Inspection firewall
- Supports VPN connections
- Ethernet connectivity
- Carrier approved



Highlights

Applications. The MultiModem rCell intelligent wireless router with HSPA support is ideal for highly data-intensive, mission-critical applications such as remote video surveillance, downloading large files or where there is a need for shared Internet access over a high-speed wireless connection.

Embedded OS for Enhanced M2M Connectivity. Multi-Tech's embedded operating system provides a web-based programming interface providing easy access to many of the advanced features offered by the MultiModem rCell.

For example, the router can be configured for one of three connectivity modes: always on – when powered on, the router automatically establishes a connection to the wireless network and will re-establish the data link if the connection is lost. Wake-up on ring/Caller ID – this setting allows the router to establish a data link when the router detects an incoming ring or when the router detects an incoming ring based on a particular Caller ID number. Dial-on-demand – when the router is configured for dial on demand, it will establish a data link when LAN activity is detected.

Secure VPN Connections. The MultiModem rCell intelligent wireless router uses the IPSec industry standard protocol, data encryption, and the Internet to provide high performance, secure VPN connections. For LAN-to-LAN connectivity, the MultiModem rCell wireless router utilizes the IPSec protocol to provide tunnels with strong 3DES or AES encryption using IKE and PSK key management. Sized appropriately for M2M applications with support for two concurrent VPN tunnels.

Reduces Development Time. The MultiModem rCell intelligent wireless router can make your existing and next generation device 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 PTCRB and RF approvals.

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

Specifications

General Features

Quad-band GSM/GPRS/EDGE/HSPA

Packet Data Features

7.2M bps max. download, 5.76M bps max. upload

Frequency Bands

3G: 850/900/1900/2100 MHz

2G: 850/900/1800/1900 MHz

Connectors

LAN: RJ-45, 10/100BaseT

RF Antenna: 50 ohm SMA female

Power: 2.5mm miniature screw

SIM: Standard 1.8V & 3V SIM receptacle

Power Requirements

5VDC input power, 2A max

Physical Description

3.34" L x 6.05" W x 1.51" H; 11.5 oz.

(8.48 cm x 16.51 cm x 3.84 cm; 326g)

Operating Environment

+14° to +131° F (-10° to +55° C)

Certifications

CE Mark, R&TTE

EMC Compliance: FCC Part 15, Class B; EN 55022, EN 55024

Radio Compliance: FCC Part 22, 23; RSS 132, 133; EN301 489-1, EN301 489-7, EN301 489-24

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

Network: PTCRB, AT&T

RoHS compliant

Ordering Information

Product	Description	Region
MTCBA-H3-EN3*	Intelligent HSPA 7.2 Router	Regional
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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World Headquarters
Tel: (763) 785-3500
(800) 328-9717
www.multitech.com

EMEA Headquarters
Multi-Tech Systems (EMEA)
United Kingdom
Tel: +(44) 118-959 7774