MultiTech®
Systems
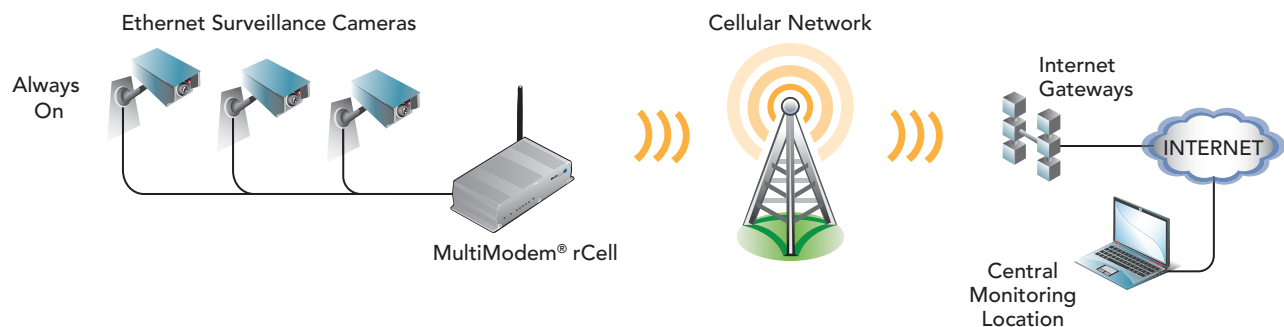
Intelligent Remote Monitoring and Management with Multi-Tech's Intelligent Wireless Router

The Customer's Need

More and more businesses need network connectivity solutions for remote, portable and back-up applications. They are looking for a quick, secure and cost-effective solution for connecting to the Internet from anywhere. Companies also need the flexibility that is provided with automatic and persistent, high-speed connectivity.

Application 1:

Keeping an eye on remote facilities and assets with web cameras is not always an option in locations where broadband is unavailable or cost-prohibitive. Companies need an always-on, round the clock surveillance solution that will automatically reestablish the data link when service is interrupted. An intelligent router is an ideal data communications solution for surveillance. It seamlessly connects to web cameras and provides automatic, persistent connectivity necessary for mission-critical applications, such as keeping assets secure.

Application 2:

A power generator company sells natural gas powered generators that are deployed in sparse rural areas in the UK and Ireland to power cell towers where grid power is not available. A MultiModem® rCell is installed and interfaced to an Ethernet port inherent to the generator for remote industrial asset management. Multi-Tech's wireless router provides a means to remotely determine pressure, temperature, power usage, gas flow rates and many other aspects of the generators' real-time information. The wireless router also provides capabilities for remote inbound secure access for generator firmware upgrades, diagnostics and monitoring.

Application 3:

After disasters, insurance companies need to quickly set up portable claim shops enabled with a data communications solution. In emergency situations, when land-based broadband systems have been compromised and are unavailable, the temporary office is equipped with a MultiModem rCell wireless router for a cost-effective and instant solution to provide secure communications with headquarters via a VPN tunnel.

Application 4:

Legacy retail or gaming kiosk terminals, located in convenience stores and other retail environments, utilize analog modems to transmit transaction information over PSTN lines at a reoccurring fixed rate. This system requires an analog modem at each site and restricts the placement of these terminals to where they can be tethered to landlines. A faster, more flexible and less expensive solution is to connect multiple terminals via a MultiModem rCell wireless router with an Ethernet port supporting TCP/IP communication utilizing the cellular network.

Multi-Tech's Solution

The MultiModem rCell intelligent wireless router offers standards-based tri-band HSDPA performance that is backwards compatible to standards-based quad-band EDGE/GPRS performance via the integrated cellular modem. This ready-to-deploy, standalone router provides shared Internet access and 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 and RS-232 serial connectivity and can be desktop or panel mounted.

Ordering Information

Product	Description	Region
MTCBA-H-EN2	Intelligent HSDPA Router	Global
MTCBA-G2-EN2	Intelligent GPRS Router	US/CAN

About Multi-Tech Systems

Multi-Tech Systems is a global manufacturer of award-winning device and embedded modems and Unified Communications products that connect data over cellular networks from anywhere in the world. As a leader in the industry for 40 years, Multi-Tech's reputation for reliability and innovative design is evident with 80+ patents, 20+ million devices being used by thousands of customers worldwide and certifications from more than 30 carriers and over 80 countries. Multi-Tech is certified by the WBENC as a Women's Business Enterprise and by C-TPAT (Customs–Trade Partnership Against Terrorism).

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