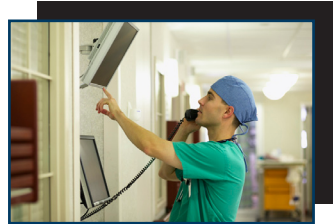


The Shortest Path to Wireless Communications for Healthcare



Solutions to 4 Common Challenges

The healthcare industry aims to improve patient care and reduce overall healthcare costs. Machine-to-machine (M2M) communications can address both care and costs by enabling access to real-time data from home and mobile devices. However, the complexity of adding a communications element can often delay the time to market and significantly add to the cost of the solution. Multi-Tech can help healthcare companies overcome these challenges.

Challenge #1: Extend Patient Care Into Homes

Healthcare organizations need to consistently and effectively treat patients from their homes regardless of the existing communication elements available. Remote patient monitoring systems need to take into account the various communication options in residential deployments, including analog phone lines or Ethernet, as well as the quality and availability of these elements. To extend the lives of existing home patient monitoring products, medical OEMs are infusing cellular technology into existing home patient monitoring products.

Solution: MultiConnect™ AW Analog-to-wireless Converter or the MultiModem® rCell Intelligent Wireless Router



Challenge #2: Reduce Time-to-treatment

A mobile medical device enabled with cellular technology facilitates simultaneous communications between field and hospital care teams. The ability to send emergent patient data to hospital care teams' computers, PDAs or smartphones enables medical professionals to start planning for the appropriate treatment before patient arrival, which reduces time to treatment. In many cases, as in cardiac events, chances of survival can be greatly improved.



Solution: MultiModem® rCell Intelligent Wireless Router or the Cellular Development Platform, All-in-one Hardware and OpenEmbedded Linux Development Environment

Challenge #3: Finding a Turnkey Electronic Health Records Solution

By 2014 hospitals and physicians will need to adopt the use of certified health record technology, also known as Electronic Health Records (EHR) or Electronic Medical Records (EMR). By implementing this, the medical industry will experience significant cost-savings as well as be able to reduce fraud, waste and duplication, reduce medical errors and streamline clinical decision-making. However, it is changing the way healthcare organizations send, receive, and manage confidential information in order to support HIPAA compliance. Solutions such as a fax server, can resolve all the fax-related privacy and security issues that are required in a health organization's HIPAA plan.

Solution: Multi-Tech's FaxFinder® Fax Servers, All-in-one Fax Servers



By the year 2014 public and private healthcare providers may save between \$1.96 billion and \$5.83 billion in healthcare costs thanks to remote patient monitoring over cellular networks, according to a report from Juniper Research.



Challenge #4: Streamlining the Process

It can take five, six or even more organizations to roll out one solution that is enabled with cellular connectivity. For companies to achieve successful cellular deployments and ensure a positive experience for the patient and healthcare professional, it is critical that medical OEMs can look to one point of contact.

Solution: Multi-Tech and its partners significantly simplify the deployment process, whether it is kitting, activation or deployment of a cellular solution.



Numerex
Experience. Excellence.







Verizon Wireless
Network Ready



Class B
Compliance



Technology Approaches

<p>Cellular Solutions</p> <p>Pre-approved reliable cellular modems and routers offer the most efficient and dependable device networking solution.</p> <ul style="list-style-type: none"> · 2G and 3G, GSM and CDMA · RS-232, USB, and Ethernet 	<p>MultiModem rCell</p> <p>Intelligent Wireless Routers</p> <ul style="list-style-type: none"> · Extends life of patient monitoring device · Maintains device certification – FDA 510(k) 	<p>MultiConnect AW</p> <p>Analog-to-wireless Converter</p> <ul style="list-style-type: none"> · Provides phone line emulation · ETSI ES 201 970 compliant · Extends life of patient monitoring device · Maintains device certification – FDA 510(k) · Minimal to no application change needed 
<p>Cellular Development Platform</p> <p>All-in-one Hardware and OpenEmbedded Linux Development Environment</p> <ul style="list-style-type: none"> · Own development of any customization for next generation solutions · Capitalize on internal resources · Overlay medical grade quality system · Reduce total cost of ownership · Maintain FDA compliance 		<p>FaxFinder</p> <p>Fax Servers</p> <ul style="list-style-type: none"> · Securely sends, receives and routes faxes to/from the desktop · No per-seat license 

Multi-Tech products are used in over one million healthcare applications for good reason. Manufactured by 40-year industry leader with more than 20 million devices deployed worldwide, all of Multi-Tech's products are designed, manufactured and tested in one U.S.-based manufacturing facility, pass a rigid ISO 9001:2008 quality control system and undergo 100% functional testing.

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**40 years and 20+ million devices,
Multi-Tech is a world leader in M2M solutions**