

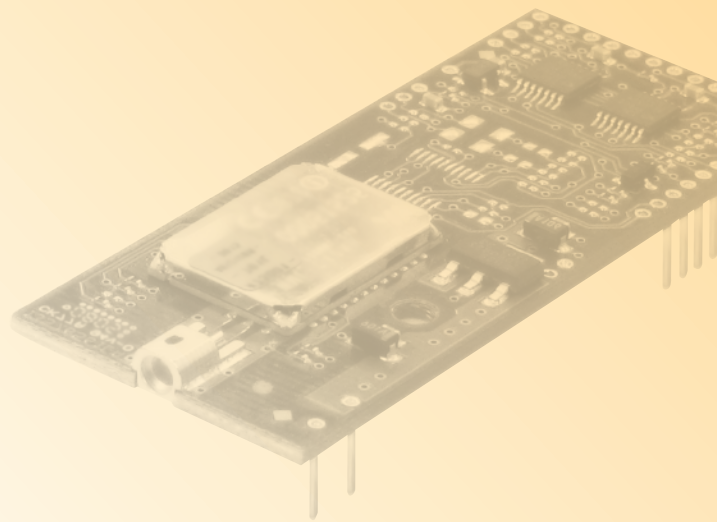
Embedded Device Networking

Communication Devices for Embedded M2M Applications



UNIVERSAL

- Wireless
- Dial-up
- Ethernet



With over three decades of superior modem design and manufacturing experience, Multi-Tech has become the “standard” when it comes to delivering modem solutions. By consistently exceeding customer expectations in quality, performance and support, we’ve become the world’s most successful manufacturer of connectivity solutions. You can count on Multi-Tech for communication technology innovation for years to come.

MultiTech[®]
Systems 



When evaluating an embedded communications device, you will quickly discover that Multi-Tech's solutions are highly economical for almost any application requiring a communication component. With its flexible Universal Socket architecture, Universal IP stack, global compliance, and rock-solid performance Multi-Tech's embedded devices give you an edge on your competition while accelerating your time-to-market.

Multi-Tech's extensive line of embedded communication devices are complete, ready-to-integrate, standards-based solutions that allow you to utilize one design with flexible connectivity options. Whether you want to connect via cellular wireless, dial-up, Ethernet or Wi-Fi®, Multi-Tech provides you with a path for instantly adding communication ability to your existing or new product.

Global Certifications-Fast Path to Market

Time-to-market is accelerated with a Multi-Tech embedded device networking solution. Multi-Tech's years of experience with global modem technology, relieves you of the burden and expense of acquiring all the global telecom, PTCRB, RF and network approvals associated with communication technology. This alone will save you valuable resources and dollars. In fact, Multi-Tech's embedded communication devices require minimal engineering effort, allowing you to enhance your product while you focus on developing your product's core features.

Operating System Independence

Our embedded device networking solutions are operating system independent and therefore reduce the complexity of integration. As a result, you free up engineering resources and greatly increase the reliability of the total solution.

Quality Products

Multi-Tech embedded modem solutions have set the standard for quality and performance. Our commitment to quality means we thoroughly test every modem before it leaves our doors. Today, Multi-Tech delivers the most reliable embedded communications devices on the market. When it has to work, you can count on Multi-Tech!

Quick-to-Market Solution

Global Approvals

Easy Migration to Future Networks

Interchangeable Communications Devices

Exceptional Service and Support

Multi-Tech is committed to providing its customers with exceptional technical support and quality service, to ensure a positive customer experience. We're so confident, that we stand behind our products with toll-free technical support.

Several of our embedded communication devices feature flash memory so the firmware can be updated with the latest enhancements Multi-Tech has to offer. In addition, they can be customized for specific OEM applications.

Manufactured in Minnesota, USA

Multi-Tech products are designed and manufactured in our Minnesota-based, USA facility. Our high volume manufacturing facility utilizes US and non-US content, lead-free electronics (RoHS directive), includes full PCB assembly and testing, and is ISO 9001:2000 certified.

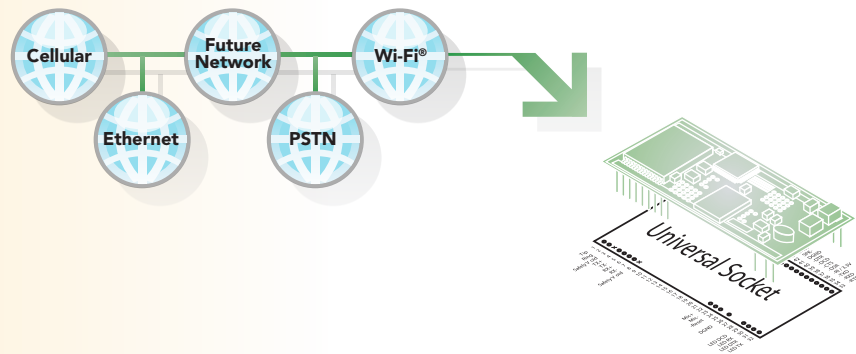


Multi-Tech Solutions Provide

Standard-based network connectivity
Standard TCP/IP networking applications
Standard industry, regulatory and carrier certifications

Universal Socket Connectivity

Multi-Tech's Universal Socket is a flexible comm-port architecture that provides cellular, Ethernet, PSTN or Wi-Fi network access with interchangeable communications devices. This means you can utilize one system design and populate it with your communication device of choice. Now your solution can offer a full-line of connectivity options. In addition, you are assured a seamless migration to future technologies.



Universal IP

Multi-Tech's Universal IP (UIP) is designed for hands-off, highly-reliable applications where enhanced machine-to-machine (M2M) connectivity is required. Universal IP is software that provides developers a common programming interface effectively future proofing their application as new cellular or future network technologies are introduced. UIP also allows developers to write their host application one time while having the freedom to select from a growing number of Universal Socket communication devices.

Applications

Multi-Tech's embedded devices provide cost-effective connectivity solutions which enable you to streamline operations, improve productivity and solve real business needs. These communications solutions can be integrated into any network requiring connectivity for a variety of applications.

- Remote Monitoring
- Security Systems
- Automated machine-to-machine (M2M)
- Healthcare – medical devices and monitoring
- Asset Tracking – AVL, vehicle tracking, fleet management
- Financial and Retail Transaction – ATM terminals, kiosks, POS terminals
- Utilities – meter reading, power monitoring, lighting controls, water/gas/sewer

Multi-Tech Systems is an ISO 9001:2000-certified global manufacturer of award-winning Unified Communications and device networking products. Since 1970, Multi-Tech Systems has grown into a company with a worldwide reputation for reliable products of innovative design. This reputation is just as strong today. Our goal is to help our customers achieve a competitive advantage by providing solutions that return superior business results. New technologies, same focus: Connecting voice and data over IP networks. Multi-Tech is certified by the WBENC as a Women's Business Enterprise, and by C-TPAT (Custom Services Trade Partnership Against Terrorism).

Embedded Wireless Modems

SocketModem® HSDPA, SocketModem® EDGE, SocketModem® GPRS and SocketModem® CDMA
These wireless modems are complete, ready-to-integrate communications devices that offer standards-based tri-band UMTS/HSDPA, EDGE (E-GPRS) Class 12, GSM/GPRS Class 10, and CDMA 2000 1xRTT performance respectively. These quick-to-market devices allow developers to add wireless communication to products with a minimum of development time and expense.



Embedded Modems

SocketModem® and SocketModem® IP
The SocketModem embedded modem includes the controller, data pump and data access arrangement (DAA) in one device. With connect rates from 300 bps to 56K, it is ideal for applications that periodically need to send or receive data over a standard telephone line. The SocketModem IP embedded modem integrates a complete data/fax modem solution and Universal IP stack into one device.



Embedded Device Servers

SocketEthernet IP®
The SocketEthernet IP embedded device server connects serial devices to an IP network. It is ideal for remote monitoring, control, maintenance and configuration of any system. It integrates a Universal IP stack and a serial-to-Ethernet interface into a single universal socket design.



SocketWireless® Wi-Fi®
The SocketWireless Wi-Fi device server connects serial devices to an IP network via 802.11b wireless networking. It enables you to build wireless networking into virtually any device allowing for remote monitoring, control and configuration. This space efficient device integrates a complete TCP/IP protocol stack, and can make your existing and next generation device, machine or system, IP-ready



SocketWireless® Bluetooth®
The SocketWireless Bluetooth device server utilizes Bluetooth technology to provide a secure, standards-based wireless connection between a host and peripheral device. Providing wireless data transfer up to 100 meters, it completely eliminates the need for serial cable connections.



Other Embedded Solutions



RJModem™
The RJModem embedded modem is the most compact, integrated modem solution that includes the controller, data pump and DAA in a unique RJ11 form factor. With minimal engineering effort, it instantly adds global communication capabilities to any product design.



MMCModem™ GPRS and MMCModem™ CDMA
The MMCModem™ GPRS and MMCModem™ CDMA embedded wireless modems include the controller, RF transceiver, SIM socket (GSM), and antenna connector packaged in a compact, rugged industrial chassis. These quick-to-market solutions are based on industry-standard open interfaces and can be board-to-board or board-to-cable mounted.

Developer's Guide and Kit

The Universal Socket Developer's Guide assists you in evaluating the family of embedded connectivity solutions as you consider the different options for current, as well as, future requirements of your product strategy. Multi-Tech's Developer's Kit allows you to plug in the communications device and use it for testing, programming and evaluation. The kit includes one development board with connectors, cables, universal power supply, and Developer Guide CD.



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Features and specifications are subject to change without notice.

Made in Mounds View, MN, USA

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