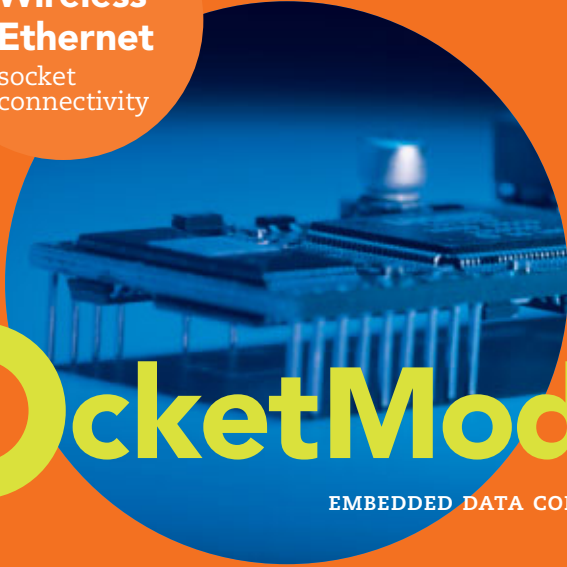


- Dial-up
  - Wireless
  - Ethernet
- socket  
connectivity

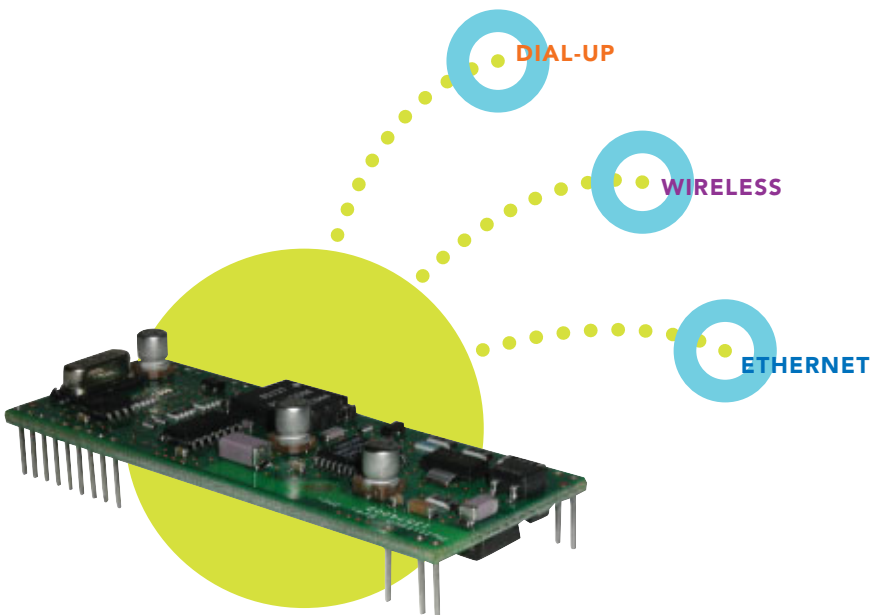


# SOcketModem

EMBEDDED DATA COMMUNICATIONS

# what's it do?

The SocketModem family is a full line of complete ready-to-integrate connectivity modules that allow you to enhance your product while you focus on developing its core features. They **seamlessly integrate** into your device no matter how tight the space. In fact, the flexible comm-port architecture allows a single socket to support a **dial-up** modem, dial-up Internet modem, **wireless** GSM/GPRS/CDMA modem or **Ethernet** connection. Now you can provide your customers with a full-line of **communication** options by simply dropping in their communication module of choice.



# why SocketModem



INTERCHANGEABLE SOCKET CONNECTIVITY

GLOBAL COMPLIANCE

QUICK-TO-MARKET SOLUTION

INCREASED SYSTEM RELIABILITY

## **Powerful System Architecture**

When evaluating whether you should use a SocketModem versus a chipset or a software-based communication solution, it is important to keep in mind some important cost trade-offs related to performance, development time, inventory management, and global compliance. After weighing these factors closely, you will quickly discover that the SocketModem is highly economical for almost any application requiring a communication component.

## **Universal Socket Connectivity Provides Flexibility**

The SocketModem's flexible comm-port architecture provides dial-up, wireless, or Ethernet socket connectivity with interchangeable modules. This means you can utilize one system design and populate it with the appropriate connectivity option.

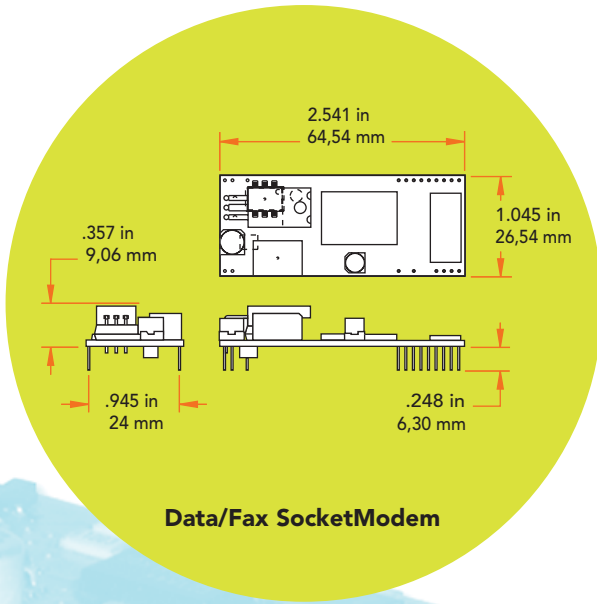
## **Controller-based Reduces Micro-processor Costs**

A SocketModem solution is controller-based meaning all of the modem and networking code is run on the module itself. This relieves the host system of the communications processing burden and provides you with an opportunity to invest in a lower power/lower cost system architecture.

## **Operating System Independence Increases Reliability**

A SocketModem solution is operating system independent and therefore reduces the complexity of integration when compared to a software-based solution. As a result, you free up engineering resources and greatly increase the reliability of the total solution.

# m?



### Fastest Path to Market

Time-to-market is accelerated with a SocketModem solution because it is a complete, ready-to-integrate module. You don't have to worry about hiring the expertise to write Internet application and modem controller code. And, a SocketModem solution will relieve you of the burden and expense of acquiring all the global telecom, network and RF approvals associated with communication technology. This alone will save you valuable resources and dollars to allow you to focus on your product's core features.

### Global Compliance

The SocketModem dial-up and Internet modems have successfully completed international compliance testing (homologation) for global approval. This means you can specify one module for your design without having to integrate specific country approved modules for each system used across the world. And, since all models in the SocketModem family are host independent devices, the associated telecom approvals are portable across any solution for which they are integrated. In addition, the wireless SocketModems have received global RF approvals and have been tested and certified with wireless telecom network providers.

### Flash Upgradeable and Customizable

The SocketModem family features several models with 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.

### Developer's Kit

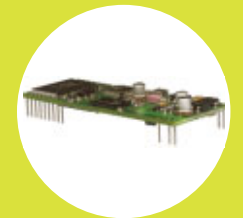
The SocketModem Developer's Kit allows you to plug in the SocketModem and use it for testing, programming and evaluation. The kit includes one development board with RS-232 cable, power supply, RJ-11 cable or antenna, and a SocketModem sample.

# SocketModem Family at a Glance



## **SOCKETMODEM™**

The SocketModem creates communication-ready devices by integrating data/fax functionality into a single product design. The SocketModem provides the controller, data pump and data access arrangement (DAA) in one module. It is a complete, ready-to-integrate, space efficient (1" x 2.5") embedded modem that provides 56K/V.92 (or below) communication.



## **SOCKETMODEM™ IP**

SocketModem IP embeds Internet protocols inside any device allowing it to send and receive data over the Internet without connecting to a PC, router or gateway server. The space efficient (1" x 2.5") embedded modem integrates V.92/56K modem functionality and a complete TCP/IP protocol stack into a single product design. It sends and receives data, voice and images via e-mail, HTTP or socket interfaces.



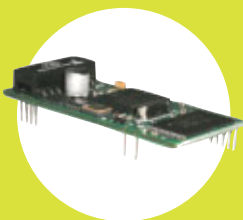
## **SOCKETMODEM™ GSM/GPRS AND CDMA**

The Multi-Tech SocketModem GSM/GPRS and SocketModem CDMA are complete, ready-to-integrate, embedded wireless modems. They provide the controller, RF transceiver, and antenna interface in one module. Designed for global use, they offer standards-based multi-band GSM/GPRS Class 10 and CDMA2000 1xRTT performance.



## **MODEMMODULE™ GSM/GPRS AND CDMA**

The ModemModule GSM/GPRS and ModemModule CDMA are complete, ready-to-integrate, embedded data/fax/voice wireless modems. They provide the controller, RF transceiver, and antenna interface packaged in a compact industrial chassis. Designed for global use, they offer standards-based multi-band GSM/GPRS Class 10 and CDMA2000 1xRTT performance.



## **SOCKETETHERNET™ IP**

SocketEthernet IP is a complete, ready-to-integrate serial-to-Ethernet module for connecting legacy devices to an IP network for remote monitoring, control and configuration. The space efficient module (1" x 2.5") provides a high performance Ethernet bridge as well as a complete TCP/IP protocol stack.

# who's Multi-Tech?

**Success is about communication.**

**Multi-Tech is about making it easier.**

**We create better ways of sharing information—remotely and over the Internet. Multi-Tech's SocketModem family is backed by 33+ years of proven modem experience and rock-solid performance. Our products are known for their reliability, performance and flexibility. With a full line of innovative dial-up, wireless or Ethernet modules, Multi-Tech is creating a world where technically, everything's possible.**

## COMMUNICATIONS WITHIN YOUR REACH

**The Multi-Tech SocketModem family creates communication-ready devices by integrating modem or Internet functionality into a single socket design. Now, you have the ability to provide remote monitoring, diagnostics, data collection or virtually any communication ability to your existing or new device via interchangeable dial-up, wireless or Ethernet socket connectivity. Never before has so much communication technology been integrated into such an easy-to-use package. The SocketModem gives you an edge on your competition while accelerating your time-to-market.**

## SocketModem Family

### SOCKETMODEM

A complete, ready-to-integrate data/fax modem.

MODEL	DESCRIPTION
<b>MT5634SMI</b>	56K/V.92 or below data rates, V.34 fax, parallel or serial, industrial temperature or medical device models available
<b>MT5600SMI</b>	56K/V.92 or below data rates, parallel or serial
<b>MT2456SMI</b>	2400 bps data rate, serial

### SOCKETMODEM IP

A complete, ready-to-integrate 56K/V.92 modem plus a complete TCP/IP protocol stack.

MODEL	DESCRIPTION
<b>MT2456SMI-IP</b>	56K/V.92 or below data rates and IP

### SOCKETMODEM GSM/GPRS AND CDMA

A complete, ready-to-integrate embedded data/fax wireless modem.

MODEL	DESCRIPTION
<b>MTSMC-G</b>	GSM/GPRS Class 10, 900/1800MHz wireless or 850/1900MHz wireless
<b>MTSMC-C</b>	CDMA2000 1XRTT, 800/1900MHz wireless

### MODEMMODULE GSM/GPRS AND CDMA

A complete, ready-to-integrate embedded data/fax/voice wireless modem.

MODEL	DESCRIPTION
<b>MTMMC-G</b>	GSM/GPRS Class 10, 900/1800MHz wireless or 850/1900MHz wireless
<b>MTMMC-C</b>	CDMA2000 1XRTT, 800/1900MHz wireless

### SOCKETETHERNET IP

A complete, ready-to-integrate serial-to-Ethernet module plus a complete TCP/IP protocol stack.

MODEL	DESCRIPTION
<b>MTXCSEM</b>	10/100 Serial-to-Ethernet and IP

#### WORLD HEADQUARTERS

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