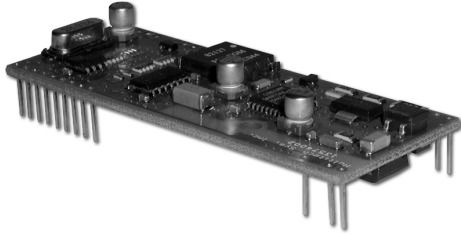


SocketModem™

Embedded Data Only Modem



Benefits

- Easy integration
- Space efficient
- Low power consumption
- Global compliance

The Multi-Tech SocketModem is a space efficient (1" x 2.5") embedded modem that provides 56K/V.90 or 33.6K/V.34 communication. The complete, ready-to-integrate modem dramatically reduces development time and costs for system designers. The SocketModem also complies with telecom requirements globally and can be shipped worldwide.

Features

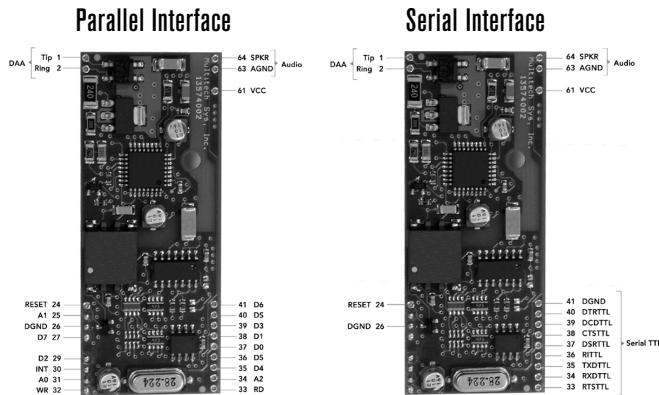
- Integrates the controller, data pump and data access arrangement (DAA) in one space efficient (1" x 2.5") module
- 56K/V.90 data rates (MT5600SMI)
- 33.6K/V.34 data rates (MT3400SMI)
- Backward compatible with lower speeds
- TTL serial or parallel interface and asynchronous protocol support
- 3.3v input supply
- V.42bis data compression and V.42 error correction
- DTMF detection and distinctive ring
- Audio circuit outputs for audio call-progress monitoring
- Three-number storage for automatic dialing capabilities and non-volatile memory (NoVRAM) to store user profiles
- Speaker interface for call progress monitoring
- Full duplex over dial-up lines
- TIA-602 AT command compatible
- Auto-dial, redial and auto-answer
- 60 character command line buffering
- Global approvals with a single module design

*Embedded Modem
Provides 56K/V.90
or 33.6K/V.34
Communication*

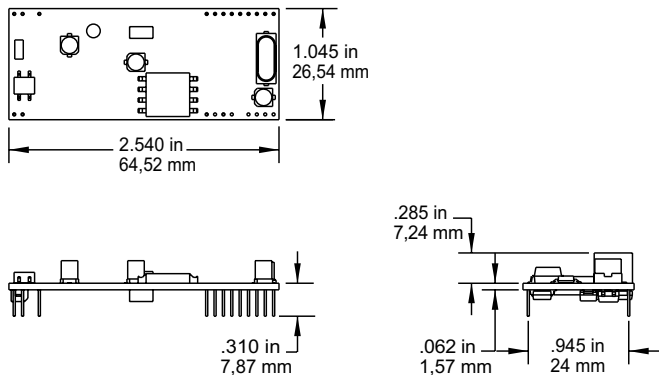
Highlights

Applications. With connect rates from 300 to 56,000 bits per second (bps), the SocketModem is targeted at applications that periodically need to send or receive data over a standard telephone line.

SocketModem Pin-Out. The SocketModem interfaces easily with existing products through a standard serial or parallel communication channel. The complete on-board DAA interfaces with an RJ-11 jack for direct connection to the public switched telephone network. The SocketModem provides audio circuit outputs for audio call-progress monitoring, and LED driver outputs for visual monitoring of Carrier Detect, Transmit Data, Receive Data and DTR signals. The SocketModem is a Data Terminal Equipment (DTE) device with a TTL serial or parallel interface and asynchronous protocol support. The serial DTE channel is capable of transfer speeds to 230.4K bps and can be interfaced directly to a UART or microcontroller.



Mechanical Specifications



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Certifications

Telecom*

- | | |
|------------------|-----------------------|
| US (FCC Part 68) | Ireland (R&TTE) |
| Canada (CS03) | Italy (R&TTE) |
| Austria (R&TTE) | Korea |
| Australia | Liechtenstein (R&TTE) |
| Belgium (R&TTE) | Luxembourg (R&TTE) |
| Chile | Mexico |
| Cyprus (R&TTE) | Netherlands (R&TTE) |
| Denmark (R&TTE) | Norway (R&TTE) |
| Estonia | Poland |
| Finland (R&TTE) | Portugal (R&TTE) |
| France (R&TTE) | Singapore |
| Germany (R&TTE) | Spain (R&TTE) |
| Greece (R&TTE) | Sweden (R&TTE) |
| Hong Kong | Switzerland (R&TTE) |
| Hungary | UK (R&TTE) |
| Iceland (R&TTE) | * More planned |

Power Requirements

3.3V DC, 140mA

Power Usage

Typical - 140mA (.47 W @ 3.3V DC)
Maximum - 160mA (.576 W @ 3.6V DC)

Operating Environment

Temperature Range: 0-70°C
Humidity Range: 20-90% (non-condensing)

Physical Description

1.045" w × 2.541" h × 0.680" d; 0.6 oz.
(2.65 cm × 6.45 cm × 1.7 cm; 0.017 kg.)

Safety Certifications

UL 60950, CSA 950, EN 60950 & AS 3260

EMC

FCC Part 15 (Class B), Canada (Class B), EN 55022 (Class B) & EN 55024

Ordering Information

Models	Description	Multiple Order Quantity (MOQ)
MT3400SMI	33.6K Data Modem Module	50 (singles available)
MT5600SMI	56K Data Modem Module	50 (singles available)
MT3400SMI-P	33.6K Data Modem Module	50 (singles available)
MT5600SMI-P	56K Data Modem Module	50 (singles available)

Made in Mounds View, MN, U.S.A.

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