

SocketModem® Cell

Embedded HSPA+ Cellular Modem



The SocketModem® Cell embedded cellular modem is a complete, ready-to-integrate communications device that offers standards-based penta-band HSPA+ performance. This quick-to-market communications device allows developers to add wireless communication to products with a minimum of development time and expense. The SocketModem Cell embedded cellular modem is based on industry-standard open interfaces and utilizes Multi-Tech's Universal Socket design.

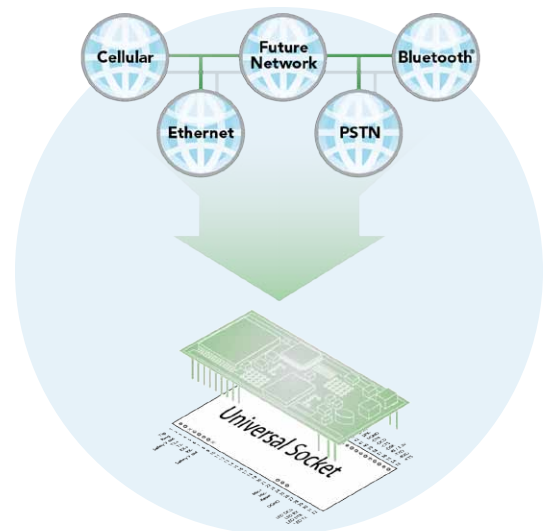
Features

- Penta-band HSPA+
- Quad-band GSM/GPRS/EDGE
- Universal Socket connectivity
- Short Message Services (SMS)
- Integrated TCP/IP stack
- UFL antenna connectors and SIM socket
- Serial or USB interfaces
- Serial interface supports DTE speeds to 921.6K bps*
- AT command compatible
- USB 2.0 HS compliant
- Two-year warranty

* Effective throughput is 700-750K bps

Universal Socket Benefits

- Interchangeable communications devices
- Quick-to-market
- Easy migration to future networks



Highlights

Applications. With increased 3G packet data rates, the SocketModem Cell embedded cellular modem will support highly data-intensive applications such as remote video surveillance, multimedia POS/ATM terminals as well as other data-intensive applications.

Universal Socket Connectivity. Multi-Tech's Universal Socket is a flexible, comm-port architecture that provides cellular, Ethernet, PSTN or Bluetooth® network access with interchangeable communications devices. This means you can utilize one system design and populate it with your connectivity device of choice accommodating multiple connectivity requirements. In addition, you are assured a seamless migration to future technologies.

Reduces Development Time. The SocketModem Cell embedded cellular modem enhances your product while you focus on developing its core features. It actually provides faster time-to-market because it relieves the burden and expense of obtaining PTCRB and RF approvals.

SocketModem Cell Pin-Out. The SocketModem Cell embedded cellular modem interfaces easily with existing products through a standard serial or USB 2.0 interface. The serial DTE channel is capable of transfer speeds to 921.6K bps and can be interfaced directly to a UART or microcontroller. The complete on-board RF transceiver interfaces with an antenna for direct connection to wireless SMS or packet data networks.

Developer's Kit. The Developer's Kit allows you to plug in the communications device and use it for testing, programming and evaluation. For a complete listing of the Developer Kit contents, visit www.multitech.com/pdfs/devkit.go

Specifications

Packet Data Features

HSPA+/UMTS/EDGE/GPRS

Frequency Bands

3G: 850/900/1700 (AWS)/1900/2100 MHz

2G: 850/900/1800/1900 MHz

Connectors

Antenna: UFL (two cellular, one GPS)

IP Protocols Supported

DNS resolve, FTP client, Ping, PPP (dial-out), SMTP client, TCP client & server, UDP client & server, PAP, CHAP authentication

Input Power

3.3 - 5VDC

Power Draw

TBD

Physical Description

3.1" L x 1.4" W x 0.5" H; 1 oz.

(8.0 cm x 3.5 cm x 1.2 cm; 28 g)

Operating Environment

-30° to +85° C

Certifications

EMC: FCC Part 15 Class B, 22, 24, EN 301 489-1, EN 301 489-7, RSS 132, 133

Radio Compliance: EN 301 489-24

Safety: cUL 60950-1, IEC 60950-1, AU/NZS 60950-1

Ordering Information

Product	Description
MTSMC-H5	HSPA+ Embedded Modem (Serial)
MTSMC-H5-U	HSPA+ Embedded Modem (USB)

Produced in the US of US and non-US components.

Features and specifications are subject to change without notice.

Trademarks / Registered Trademarks: SocketModem, Multi-Tech, and the Multi-Tech logo: Multi-Tech Systems, Inc. / All other products and technologies are the trademarks or registered trademarks of their respective holders.