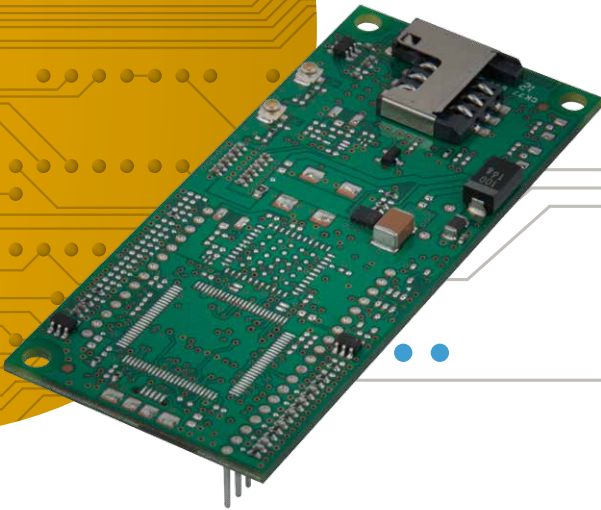


SocketModem[®] Cell

Embedded Cellular Modem for Europe



The **SocketModem[®] Cell** embedded cellular modem for Europe is a complete, ready-to-integrate communication device ideal for customers looking to add quad-band GSM/GPRS communications to their solutions.

This model (MTSMC-G3-EU) is cost-effective, offers a long lifecycle, and is designed for the European market.

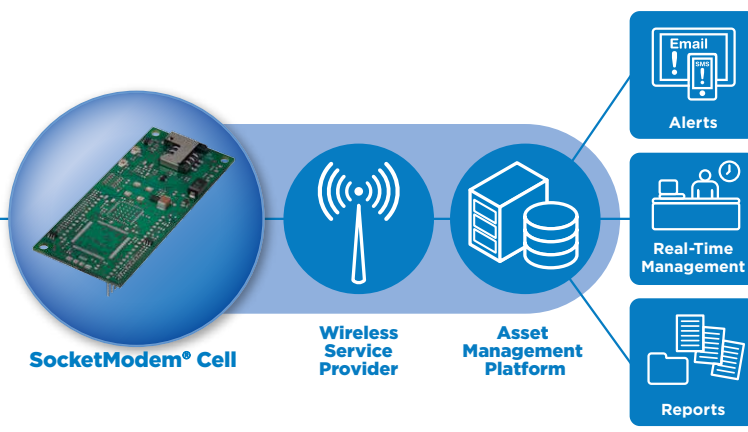
FEATURES

- Quad-band GSM/GPRS cellular communications
- Universal Socket connectivity
- Short Message Services (SMS)
- Serial interface
- Serial interface supports speeds up to 115.2K bps
- AT command compatible
- Uses a GCF certified module
- Two-year warranty

Your Devices & Data

- Transportation
- Energy
- Financial / Retail
- Healthcare
- Remote Monitoring

Insight + Action + Control



BENEFITS

- Interchangeable communications devices for easy migration to future networks
- Long solution lifecycle reduces redesign time and cost
- High quality, reliable solution delivers on the promise of “M2M Simplified”
- Support from the leading experts in M2M technology
- Cost-effective GPRS product for non-US deployments

SPECIFICATIONS

Models	MTSMC-G3
Performance	GPRS Class 10
Frequency Bands	850/900/1800/1900 MHz
USB	N/A
TCP/IP Functions	FTP, SMTP, TCP, & UDP
Connectors	Antenna: 1 UFL SIM Holder: Standard 1.8V & 3V
Dimensions	3.15" x 1.375" (80.010 mm x 34.925 mm)
Power Draw*	5VDC; 32mA sleep, 54mA idle, 358mA maximum
Input Power	3.3V - 5VDC
Environmental	
Operating Temperature	-40° to +85° C
Storage Temperature	-40° to +85° C
Humidity	20% to 90% RH, non-condensing
Certifications	
EMC Compliance	EN55024
Radio Compliance	EN301 511, EN301 489-1, EN301 489-3, EN301 489-7
Safety	IEC 60950-1 2nd ED
Network	Uses a GCF certified module
Carrier	AT&T, Aeris, T-Mobile

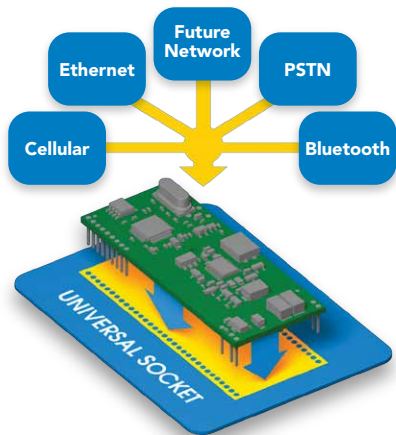
* See device guides for additional information.

HIGHLIGHTS

Universal Socket Connectivity

MultiTech'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.



SocketModem Cell Pin-Out

The SocketModem Cell cellular modem interfaces easily with existing products through a standard serial communication channel. The serial DTE channel is capable of transfer speeds to 921.6K bps (depending on model) 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 data networks. It also includes an onboard LED to display network status.

(I/O) Tip	1	○	64	SPKR (O)
(I/O) Ring	2	○	63	GND (O)
Safety Void	3	X	62	MICV (I)
(O) TX+	4	○	61	VCC (I)
(O) TX-	5	○	60	-LED SPD (O)
(I) RX+	6	○	59	-LED COL (O)
(I) RX-	7	○	58	-LED LINK (O)
Safety Void	8	X	57	-LED ACT (O)
	9	○	56	-LED FDX (O)
	10	○	55	
(O) TXCLK	11	○	54	
(O) RXCLK	12	○	53	
	13	○	52	
	14	○	51	GPIO (I/O)
	15	○	50	GPIO (I/O)
	16	○	49	GPIO (I/O)
	17	○	48	GPIO (I/O)
	18	○	47	
	19	○	46	
	20	○	45	
	21	○	44	
(I) Mic+	22	○	43	SPK+ (O)
(I) Mic-	23	○	42	SPK- (O)
(I) -Reset	24	○	41	GND (I)
(I) GND	25	○	40	-DTR (I)
(I) USB_VBUS	26	○	39	-DCD (O)
(I/O) USB_DP	27	○	38	-CTS (O)
(I/O) USB_DN	28	○	37	-DSR (O)
(O) LED DCD	29	○	36	-RT (O)
(O) LED RX	30	○	35	-TXD (I)
(O) LED DTR	31	○	34	-RXD (O)
(O) LED TX	32	○	33	-RTS (I)

Developer Kits

The Developer Kits allow you to plug in the communications device and use it for testing, programming and evaluation.

The MTSMI-UDK developer kit is designed to work with all Universal Socket devices including cellular and analog SocketModems as well as SocketEthernet IP® and SocketWireless® Bluetooth® device servers.

The MTUDK2-ST-CELL developer kit is designed to work with all versions of our cellular SocketModems as well as the new MultiConnect® Dragonfly™ family of cellular SoMs.

Both kits include a development board and all the necessary accessories to get you up and running right out of the box.

ORDERING INFORMATION

GPRS Models

Product	Description	Region
MTSMC-G3-EU	850/900/1800/1900 MHz GSM/GPRS Modem	Euro/GB

Ordering part numbers as listed are 50 packs. To order a single pack add a -SP to the end of the ordering part number. (MTSMC-G3-EU-SP)

SERVICES & WARRANTY

MultiTech's comprehensive Support Services programs offer a full array of options to suit your specific needs. These services are aimed at protecting your investment, extending the life of your solution or product, and reducing total cost of ownership. Our seasoned technical experts, with an average tenure of more than 10 years, can walk you through smooth installations, troubleshoot issues and help you with configurations.

INSTALLATION SUPPORT

MultiTech's Installation Support Service delivers priority service with the ability to work one-on-one with an experienced MultiTech technical support engineer, to guide you through the installation process for our products.

TECHNICAL SUPPORT SERVICES

At MultiTech, we're committed to providing you personalized attention and quality service while providing you a quick response to your product support needs. We have several options of support for you to choose from.

For additional information on Support Services as well as other service offerings, please contact your MultiTech representative or visit www.multitech.com/support.go

World Headquarters

Multi-Tech Systems, Inc.
2205 Woodale Drive
Mounds View, MN 55112 U.S.A.
Tel: 763-785-3500
Toll-Free: 800-328-9717
Email: sales@multitech.com
www.multitech.com

EMEA Headquarters

Multi-Tech Systems (EMEA)
Strata House
264-270 Bath Road
Harlington UB3 5JJ
United Kingdom
Tel: +(44) 118 959 7774
Email: sales@multitech.co.uk
www.multitech.co.uk

Produced in the U.S. of U.S. and non-U.S. components. Features and specifications are subject to change without notice.

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