

# SocketModem<sup>®</sup> Cell

Embedded Cellular Modems 4G-LTE Models

## BENEFITS

- Approved by carriers and regulatory agencies saving customers time, money, and protection from the risks associated with pursuing their own certifications
- Quick to market leveraging MultiTech's approvals
- Interchangeable communications devices for easy migration to future networks
- Long solution lifecycle reduces redesign time and cost
- Support from leading experts in IoT/M2M technology

## **FEATURES**

- 4G Models (Cat 4, Cat 1 and Cat M1)
- Global capable Cat M1/NB-IoT model (Cat 4 global coming Q4)
- 4G Cat 4, Cat 1 Sprint and Cat M1 include GNSS
- Universal Socket connectivity
- Short Message Services (SMS)
- Serial or USB interfaces
- Serial interface supports speeds up to 921.6K bps
- AT command compatible
- USB 2.0 HS compatible
- Two-year warranty



www.multitech.com/smcell

The SocketModem<sup>®</sup> Cell embedded cellular modem is a complete, ready-to-integrate communications device ideal for customers looking to add 4G-LTE cellular communications to their IoT/M2M solutions. These communications devices enable easy technology transitions and allow developers to add wireless communication to products with a minimum of development time and expense. The SocketModem Cell embedded cellular modems are carrier approved and end-device certified, decreasing time to market while saving customers money.

MULTITECHO

# **HIGHLIGHTS**

## Power Saving Modes (Cat M1 Models)

Extended Discontinuous Reception (eDRX) mode increases the length of time the end device can sleep before it has to check in with the network which saves power. Power Saving Mode (PSM) allows the device to notify the network it is going to sleep or dormant indefinitely only waking up based on user defined timer. Once the device wakes up and transmits it will stay awake for a few frames of time in case the network needs to reach that device. A device using PSM transmitting a small amount of data once per day could last many years using 2 AA batteries. (Note: Some power saving modes will be available in a future firmware release.)

## **SPECIFICATIONS**

Models	MTSMC-L4N1 MTSMC-L4N1-U	MTSMC-L4E1 MTSMC-L4E1-U	MTSMC-LAT3 MTSMC-LAT3-U
Performance	LTE FDD Cat.4, 3GPP release 10 compliant (Category 4; 150 Mbps peak downlink/ 50 Mbps peak uplink) with 3G Fallback	LTE FDD Cat.4, 3GPP release 10 compliant (Category 4; 150 Mbps peak downlink/ 50 Mbps peak uplink) with 3G/2G Fallback	LTE 3GPP Release 9 (Category 1; 10 Mbps peak downlink/ 5 Mbps peak uplink) with HSPA Fallback
Frequency Bands (MHz)	4G: B2(1900), B4(AWS1700), B5(850), B12(700a), B13(700c), B14(700 FirstNet),† B66(AWS-3 1700), B71(600) AT&T: B2, B4, B5, B12, B14 Verizon: B4, B13 3G: B2(1900), B4(AWS1700), B5(850)	4G: B1(2100), B3(1800), B7(2600), B8(900), B20(800), B28A(700) 3G: B1(2100), B3(1800), B8(900) 2G: B3(1800), B8(900)	4G: B12/B13(700), B5(850), B4(AWS1700), B2(1900) 3G: B5(850), B2(1900)
SMS	Mobile Originate	, Mobile Terminated and Cell Broadcast $/$ P	DU or Text Mode
USB	USB 2.0 high speed compatible (-U Models)		
TCP/IP Functions	FTP, SMTP, SSL, TCP, UDP		
Connectors	Antenna : 3 UFL (Cellular, Rx Diversity/MIMO, GPS) / Mini SIM (2FF); 1.8V & 3V Mini SIM (2FF); 1.8V & 3V		
Dimensions	3.15" x 1.375" (80.010 mm x 34.925 mm)		
Power Draw*	Serial Model @ 5VDC; 4mA sleep, 20mA idle, 615mA average at max power USB Model @ 5VDC; 21mA idle, 672mA average at max power	Serial Model @ 5VDC; 8mA sleep, 13mA idle, 747mA average at max power USB Model @ 5VDC; 816mA average at max power	Serial Model @ 5VDC; 13mA sleep, 20mA idle, 400mA average at max power USB Model @ 5VDC; sleep N/A, 32mA idle, 432mA average at max power
Input Power	3.3V - 5VDC		
Environmental			
Operating Temperature	-40° C to +85° C (-40° F to +185° F)		
Storage Temperature	-40° C to +85° C (-40° F to +185° F)		
Relative Humidity	20% to 90% RH noncondensing		
Certifications			
EMC/Radio Compliance	FCC Part 15 Class B FCC Part 22, 24, 27	CE Mark, RED	FCC Part 15 Class B FCC Part 22, 24, 27
Safety	UL 60950-1 2nd ED, cUL 60950-1 2nd ED	IEC 60950-1 2nd ED	UL 60950-1 2nd ED, cUL 60950-1 2nd ED, IEC 60950-1 2nd ED
Network	PTCRB	N/A	PTCRB
Carrier	AT&T, Verizon	N/A	AT&T

\* See device guides for additional information.

<sup>+</sup> All future end-user (OEM) devices will and must go through FirstNet certification prior to being included in the FirstNet device ecosystem.

# **Developer Kits**

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

The MTUDK2-ST-CELL developer kit is designed to work with all versions of our cellular SocketModems as well as the MultiTech Dragonfly<sup>™</sup> family of cellular SoMs and modems.

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

## **SPECIFICATIONS**

Models	MTSMC-LVW3 MTSMC-LVW3-U	MTSMC-LSP3 MTSMC-LSP3-U	MTSMC-MNG2 MTSMC-MNG2-U	MTSMC-MNA1 MTSMC-MNA1-U
Performance	LTE 3GPP Release 9 (Category 1; 10 Mbps peak downlink/ 5 Mbps peak uplink) (No Fallback)	LTE 3GPP Release 10 (Category 1; 10 Mbps peak downlink/ 5 Mbps peak uplink)	LTE 3GPP Release 13 (Category M1; Up to 300 Kb/s Downlink Up to 375 Kb/s Uplink NB1; Up to 250 Kb/s Downlink (multi-tone) Up to 20 Kb/s Uplink (single-tone))	LTE 3GPP Release 13 (Category M1; Up to 300 Kbps downlink & up to 375 Kbps uplink)
Frequency Bands (MHz)	B13(700), B4(AWS1700), B2(1900)	4G: B12(700), B5/25(850), B4(AWS1700), B2/25(1900), B25(1900+)	4G: B1(2100)/B2(1900/ B3(1800)/B4(AWS1700)/ B5(850)/B8(900)/ B12(700)/ B19(800)/ B18(800)/ B19(800)/ B20(800)/ B26(850)/ B28(700)/ B39(1900) 2G: B2(1900)/B3(1800)/ B5(850)/B8(900)	AT&T: B12(700), B4(AWS1700), B2(1900) Verizon: B13(700), B4(AWS1700)
SMS	Mobi	le Originate, Mobile Terminated a	nd Cell Broadcast / PDU or Text I	Mode
USB	USB 2.0 high speed compatible (-U Models)			
TCP/IP Functions	FTP, SMTP, SSL, TCP & UDP			
Connectors	Antenna: 2 UFL (Cellular, Rx Diversity/MIMO) / Mini SIM (2FF); 1.8V & 3V	Antenna: 3 UFL (Cellular, Rx Diversity/MIMO, GPS) / Mini SIM (2FF); 1.8V & 3V	Antenna: 2 UFL (Cellular, GPS) Mini SIM (2FF); 1.8V & 3V	Antenna: 2 UFL (Cellular, GPS) Mini SIM (2FF); 1.8V & 3V
Dimensions	3.15" x 1.375" (80.010 mm x 34.925 mm)			
Power Draw*	Serial Model @ 5VDC; 16mA sleep, 19mA idle, 373mA average at max power	Serial Model @ 5VDC; 7mA sleep, 55mA idle, 551mA average at max power	Serial Model @ 5VDC; 6mA sleep, 14mA idle, 191mA average at max power	Serial Model @ 5VDC; 9mA sleep, 14mA idle, 122mA average at max power
	USB Model @ 5VDC; sleep N/A, 104mA idle, 388mA average at max power	USB Model @ 5VDC; sleep N/A, 69mA idle, 603mA average at max power	USB Model @ 5VDC; sleep N/A, 27mA idle, 205mA average at max power	USB Model @ 5VDC; sleep N/A, 28mA idle, 151mA average at max power
Input Power	3.3V - 5VDC			
Environmental				
Operating Temperature		-40° C to +85° C (	(-40° F to +185° F)	
Storage Temperature	-40° C to +85° C (-40° F to +185° F)			
Relative Humidity	20% to 90% RH noncondensing			
Certifications				
EMC/Radio Compliance	FCC Part 15 Class B FCC Part 27	FCC Part 15 Class B FCC Part 22, 24, 27	FCC Part 15 Class B FCC Part 22, 24, 27 CE Mark, RED (EU), RCM (AU)	FCC Part 15 Class B FCC Part 22, 24, 27
Safety	UL 60950-1 2nd ED, cUL 60950-1 2nd ED, IEC 60950-1 2nd ED	UL 60950-1 2nd ED	UL/cUL 60950-1 2nd ED, IEC 60950-1 2nd ED +Am.2	
Network	N/A	N/A	PTCRB	
Carrier	Verizon	Sprint	AT&T, Y	Verizon

\* See device guides for additional information.

# 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 (I/O) Ring 2 Safety Void 3 (O) TX+ 4 (O) TX- 5 (I) RX+ 6 (I) RX- 7 Safety Void 8 9 10	0 0 X 0 0 0 0 X		00000000000	64 SPKR (O) 63 GND (O) 62 MICV (I) 61 VCC (I) 60 -LED SPD (O) 59 -LED COL (O) 58 -LED LINK (O) 57 -LED ACT (O) 55 -LED FDX (O) 55
(O) TXCLK 11 (O) RXCLK 12 13 14 15 16 17 18 17 18	0 0	SocketModem	0000	54 52 51 GPIO (I/O) 50 GPIO (I/O) 49 GPIO (I/O) 48 GPIO (I/O) 47 46
200 (I) 21 (I) Mic+ 22 (I) Mic- 23 (I) -Reset 24 (I) USB_VBUS 25 (I) GND 26 (I/O) USB_DD 27 (I/O) USB_DD 27 (I/O) USB_DD 27 (I/O) LED DCD 29 (O) LED DCD 29 (O) LED DCD 29 (O) LED TX 31 (O) LED TX 32	00000000000		0 0 0 0 0 0 0 0 0 0	45 44 43 SPK+ (O) 42 SPK- (O) 41 GND (I) 40 -DTR (I) 39 -DCD (O) 38 -CTS (O) 37 -DSR (O) 36 -RI (O) 35 -TXD (I) 34 -RXD (O) 33 -RTS (I)

## **ORDERING INFORMATION**

#### SocketModem<sup>®</sup> Cell LTE Models

MTSMC-L4N1LTE Cat 4 Embedded Modem w/Fallback & GNSSUS/Can (Serial Interface) (AT&T/Verizon)MTSMC-L4N1-ULTE Cat 4 Embedded Modem w/Fallback & GNSSUS/Can (USB Interface) (AT&T/Verizon)MTSMC-L4E1LTE Cat 4 Embedded Modem w/Fallback & GNSS* (Serial Interface)Euro/GBMTSMC-L4E1LTE Cat 4 Embedded Modem w/Fallback & GNSS* (USB Interface)Euro/GBMTSMC-L4E1-ULTE Cat 4 Embedded Modem w/Fallback & GNSS* (USB Interface)Euro/GBMTSMC-L4T3LTE Cat 1 Embedded Modem w/Fallback (Serial Interface) (AT&T)US/CanMTSMC-LAT3LTE Cat 1 Embedded Modem w/Fallback (USB Interface) (AT&T)US/CanMTSMC-LVW3LTE Cat 1 Embedded Modem w/o Fallback (Serial Interface) (Verizon)USMTSMC-LVW3-ULTE Cat 1 Embedded Modem w/o Fallback (Serial Interface) (Verizon)USMTSMC-LSP3LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (Serial Interface) (Sprint)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS (Serial Interface) (Sprint)USMTSMC-MNG2LTE Cat 11/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface) (AT&T/Verizon)US/Can			
(Serial Interface) (AT&T/Verizon)US/CanMTSMC-L4NI-ULTE Cat 4 Embedded Modem w/Fallback & GNSSUS/Can(USB Interface) (AT&T/Verizon)LTE Cat 4 Embedded Modem w/Fallback & GNSS* (Serial Interface)Euro/GBMTSMC-L4E1LTE Cat 4 Embedded Modem w/Fallback & GNSS* (USB Interface)Euro/GBMTSMC-L4T3LTE Cat 1 Embedded Modem w/Fallback (Serial Interface)Euro/GBMTSMC-LAT3LTE Cat 1 Embedded Modem w/Fallback (Serial Interface) (AT&T)US/CanMTSMC-LAT3-ULTE Cat 1 Embedded Modem w/Fallback (USB Interface) (AT&T)US/CanMTSMC-LVW3LTE Cat 1 Embedded Modem w/o Fallback (Serial Interface) (Verizon)USMTSMC-LVW3-ULTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LSP3LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat 1 Embedded Modem w/GNSS (Serial Interface) (Sprint)USMTSMC-MNG2LTE Cat 11/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface) (AT&T/Verizon)US/Can	Model	Description	Region
(USB Interface) (AT&T/Verizon)MTSMC-L4E1LTE Cat 4 Embedded Modem w/Fallback & GNSS* (Serial Interface)Euro/GBMTSMC-L4E1-ULTE Cat 4 Embedded Modem w/Fallback & GNSS* (USB Interface)Euro/GBMTSMC-LAT3LTE Cat 1 Embedded Modem w/Fallback (Serial Interface) (AT&T)US/CanMTSMC-LAT3-ULTE Cat 1 Embedded Modem w/Fallback (USB Interface) (AT&T)US/CanMTSMC-LVW3LTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LVW3-ULTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LSP3LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (Serial Interface) (Sprint)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat 1 Embedded Modem w/GNSS (Serial Interface) (Sprint)USMTSMC-MNG2LTE Cat 11/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface)US/Can	MTSMC-L4N1		US/Can
MTSMC-L4E1-ULTE Cat 4 Embedded Modem w/Fallback & GNSS* (USB Interface)Euro/GBMTSMC-LAT3LTE Cat 1 Embedded Modem w/Fallback (Serial Interface) (AT&T)US/CanMTSMC-LAT3-ULTE Cat 1 Embedded Modem w/Fallback (USB Interface) (AT&T)US/CanMTSMC-LAT3-ULTE Cat 1 Embedded Modem w/Fallback (Serial Interface) (Verizon)USMTSMC-LVW3LTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LVW3-ULTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LSP3LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (Serial Interface) (Sprint)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat 1 Embedded Modem w/GNSS (Serial Interface) (Sprint)USMTSMC-MNG2LTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface)US/Can	MTSMC-L4N1-U	, , , , , , , , , , , , , , , , , , , ,	US/Can
MTSMC-LAT3LTE Cat 1 Embedded Modem w/Fallback (Serial Interface) (AT&T)US/CanMTSMC-LAT3-ULTE Cat 1 Embedded Modem w/Fallback (USB Interface) (AT&T)US/CanMTSMC-LVW3LTE Cat 1 Embedded Modem w/o Fallback (Serial Interface) (Verizon)USMTSMC-LVW3-ULTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LSP3LTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LSP3LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (Serial Interface) (Sprint)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat 1 Embedded Modem w/GNSS (Serial Interface) (Sprint)USMTSMC-MNG2LTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface) (AT&T/Verizon)US/Can	MTSMC-L4E1	LTE Cat 4 Embedded Modem w/Fallback & GNSS* (Serial Interface)	Euro/GB
MTSMC-LAT3-ULTE Cat 1 Embedded Modem w/Fallback (USB Interface) (AT&T)US/CanMTSMC-LVW3LTE Cat 1 Embedded Modem w/o Fallback (Serial Interface) (Verizon)USMTSMC-LVW3-ULTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LSP3LTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (Serial Interface) (Sprint)USMTSMC-MNG2LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat M1/NB/2G Embedded Modem w/GNSS (Serial Interface)GlobalMTSMC-MNG2-ULTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface)US/Can	MTSMC-L4E1-U	LTE Cat 4 Embedded Modem w/Fallback & GNSS* (USB Interface)	Euro/GB
MTSMC-LVW3LTE Cat 1 Embedded Modem w/o Fallback (Serial Interface) (Verizon)USMTSMC-LVW3-ULTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LSP3LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (Serial Interface) (Sprint)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat M1/NB/2G Embedded Modem w/GNSS (Serial Interface)GlobalMTSMC-MNG2-ULTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface)US/Can	MTSMC-LAT3	LTE Cat 1 Embedded Modem w/Fallback (Serial Interface) (AT&T)	US/Can
MTSMC-LVW3-ULTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)USMTSMC-LSP3LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (Serial Interface) (Sprint)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat M1/NB/2G Embedded Modem w/GNSS (Serial Interface)GlobalMTSMC-MNG2-ULTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface)US/Can	MTSMC-LAT3-U	LTE Cat 1 Embedded Modem w/Fallback (USB Interface) (AT&T)	US/Can
MTSMC-LSP3LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (Serial Interface) (Sprint)USMTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat M1/NB/2G Embedded Modem w/GNSS (Serial Interface)GlobalMTSMC-MNG2-ULTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface)US/Can	MTSMC-LVW3	LTE Cat 1 Embedded Modem w/o Fallback (Serial Interface) (Verizon)	US
MTSMC-LSP3-ULTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)USMTSMC-MNG2LTE Cat M1/NB/2G Embedded Modem w/GNSS (Serial Interface)GlobalMTSMC-MNG2-ULTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface)GlobalMTSMC-MNA1LTE Cat M1 Embedded Modem w/GNSS (Serial Interface) (AT&T/Verizon)US/Can	MTSMC-LVW3-U	LTE Cat 1 Embedded Modem w/o Fallback (USB Interface) (Verizon)	US
MTSMC-MNG2 LTE Cat M1/NB/2G Embedded Modem w/GNSS (Serial Interface) Global   MTSMC-MNG2-U LTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface) Global   MTSMC-MNA1 LTE Cat M1 Embedded Modem w/GNSS (Serial Interface) (AT&T/Verizon) US/Can	MTSMC-LSP3	LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (Serial Interface) (Sprint)	US
MTSMC-MNG2-U LTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface) Global   MTSMC-MNA1 LTE Cat M1 Embedded Modem w/GNSS (Serial Interface) (AT&T/Verizon) US/Can	MTSMC-LSP3-U	LTE Cat 1 Embedded Modem w/GNSS w/o Fallback (USB Interface) (Sprint)	US
MTSMC-MNA1 LTE Cat M1 Embedded Modem w/GNSS (Serial Interface) (AT&T/Verizon) US/Can	MTSMC-MNG2	LTE Cat M1/NB/2G Embedded Modem w/GNSS (Serial Interface)	Global
	MTSMC-MNG2-U	LTE Cat M1/NB/2G Embedded Modem w/GNSS (USB Interface)	Global
MTSMC-MNA1-U LTE Cat M1 Embedded Modem w/GNSS (USB Interface) (AT&T/Verizon) US/Can	MTSMC-MNA1	LTE Cat M1 Embedded Modem w/GNSS (Serial Interface) (AT&T/Verizon)	US/Can
	MTSMC-MNA1-U	LTE Cat M1 Embedded Modem w/GNSS (USB Interface) (AT&T/Verizon)	US/Can

#### **Developer Kit**

Model	Description	Region
MTUDK2-ST-CELL	SocketModem & Dragonfly Developer Kit - Cellular	Global

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-L4NI-SP)

Go to www.multitech.com for detailed product model numbers.

Produced in the U.S. of U.S. and non-U.S. components. Features and specifications are subject to change without notice. Trademarks and Registered Trademarks: MultiTech and the MultiTech logo, SocketModem, Dragonfly: Multi-Tech Systems, Inc. All other products and technologies are the trademarks or registered trademarks of their respective holders.

## 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.

## **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

