



Worldwide Product Announcement

SocketModem® Cell New LTE Cat 4 Embedded Cellular Modems For North America

Near-End-of-Life for Old Ordering Part Numbers (Cat 3 MTSMC-LAT1 & MTSMC-LVW2 Models)

Date: July 25, 2019

I. Summary

MultiTech announces new 4G-LTE Category 4 ordering part numbers for the SocketModem® Cell series of embedded cellular modems.

At the same time, the existing 4G-LTE Category 3 ordering part numbers are changing status from **Active** to **Near-End-of-Life (NEOL)** effective immediately.

II. Product Description

The [SocketModem® Cell](#) embedded cellular modems are complete, ready-to-integrate communications devices ideal for customers looking to add cellular communications to their solutions.

These carrier approved and end-device certified embedded modems from MultiTech decrease time to market and save customers money.

Production of the new MTSMC-L4N1 models is slated to start in October. Please contact your MultiTech sales representative for information on sample availability.

Important Verizon Requirement:

Firmware Over The Air (FOTA) - At times, your device may require a critical update to radio firmware for devices connecting to the network. To stay compliant to Verizon's LTE requirements you must implement FOTA. Failure to perform a critical update could result in losing access to the Verizon network.

This is a new requirement for devices running on the Verizon LTE network. This new requirement will mandate changes in your host application.

MultiTech has developed a script for customers to use in order to initiate a FOTA update from the (the customer's) local host processor (pull FOTA). Full details are provided in the product documentation and at the following link: <https://www.multitech.com/landing-pages/events/campaigns/promotions/products/verizon-fota/fota-notification-page>

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III. Key Dates for NEOL Models

Near-End-of-Life (NEOL) Date: July 25, 2019

Last Time Buy Date: October 31, 2019 or while supplies last

Last Ship Date/End-of-Life (EOL) Date: April 30, 2020

Last Time Buy Information

By October 31, 2019, submit confirmed order quantities for guaranteed availability with a Non-Cancellable, Non-Returnable (NCNR) order

Note: All orders placed for products listed in this announcement require an NCNR agreement. Last time ship dates are negotiable with an NCNR agreement. Please contact your MultiTech sales representative for details and a copy of the agreement.

IV. Product Comparison

The new SocketModem Cell series include the following enhancements:

- New 4G-LTE Category 4 cellular modem
- One ordering part number for both AT&T and Verizon networks
- Higher peak downlink data rates

Bands supported with the new 4G-LTE Category 4 (-L4N1 models):

AT&T 4G-LTE Bands Supported: 2, 4, 5, 12 and 14

Verizon 4G-LTE Bands Supported: 4 and 13

	4G-LTE Category 4 AT&T/Verizon (-L4N1 Models)	4G-LTE Category 3 AT&T (-LAT1 Models)	4G-LTE Category 3 Verizon (-LVW2 Models)
Cellular Performance	4G - LTE Category 4	4G - LTE Category 3	4G - LTE Category 3
Cellular Fallback	3G - HSPA+ (AT&T only)	3G - HSPA+, 2G - GPRS	No Fallback
FirstNet Support	Yes – AT&T Band 14 Support ⁽¹⁾	No	No
Frequency Bands (MHz)	4G: B2(1900), B4(AWS1700), B5(850), B12(700a), B13(700c), B14(700 FirstNet), B66(AWS-3 1700), B71(600) 3G: B2(1900), B4(AWS1700), B5(850)	4G: B2(1900), B4(AWS1700), B5(850), B17(700) 3G: B2(1900), B5(850)	4G: B4(AWS1700), B13(700)
Packet Data (LTE FDD)	Up to 150 Mbps peak downlink Up to 50 Mbps peak uplink	Up to 100 Mbps peak downlink Up to 50 Mbps peak uplink	Up to 100 Mbps peak downlink Up to 50 Mbps peak uplink

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

V. New Ordering Part Numbers

Ordering Part Number	Description	Region
SocketModem® Cell LTE Cat 4 Embedded Cellular Modems		
MTSMC-L4N1	Embedded LTE Cat 4 Modem/Serial w/Fallback & GNSS (50 Pk) (AT&T/Verizon Dual Mode)	US/Can
MTSMC-L4N1-SP	Embedded LTE Cat 4 Modem/Serial w/Fallback & GNSS (1 Pk) (AT&T/Verizon Dual Mode)	US/Can
MTSMC-L4N1-U	Embedded LTE Cat 4 Modem/USB w/Fallback & GNSS (50 Pk) (AT&T/Verizon Dual Mode)	US/Can
MTSMC-L4N1-U-SP	Embedded LTE Cat 4 Modem/USB w/Fallback & GNSS (1 Pk) (AT&T/Verizon Dual Mode)	US/Can

NEOL Ordering Part Numbers

NEOL Ordering Part Number	Description	Region
SocketModem® Cell LTE Cat 3 Embedded Cellular Modems		
MTSMC-LAT1	Embedded LTE Cat 3 Modem/Serial w/Fallback & GPS (50 Pk) (AT&T)	US/Can
MTSMC-LAT1-SP	Embedded LTE Cat 3 Modem/Serial w/Fallback & GPS (1 Pk) (AT&T)	US/Can
MTSMC-LAT1-U	Embedded LTE Cat 3 Modem/USB w/Fallback & GPS (50 Pk) (AT&T)	US/Can
MTSMC-LAT1-U-SP	Embedded LTE Cat 3 Modem/USB w/Fallback & GPS (1 Pk) (AT&T)	US/Can
MTSMC-LVW2	Embedded LTE Cat 3 Modem/Serial & GPS (50 Pk) (Verizon)	US
MTSMC-LVW2-SP	Embedded LTE Cat 3 Modem/Serial & GPS (1 Pk) (Verizon)	US
MTSMC-LVW2-U	Embedded LTE Cat 3 Modem/USB & GPS (50 Pk) (Verizon)	US
MTSMC-LVW2-U-SP	Embedded LTE Cat 3 Modem/USB & GPS (1 Pk) (Verizon)	US
MTSMC-LAT1.R1	Embedded LTE Cat 3 Modem/Serial w/Fallback & GPS (50 Pk) (AT&T)	US/Can
MTSMC-LAT1.R1-SP	Embedded LTE Cat 3 Modem/Serial w/Fallback & GPS (1 Pk) (AT&T)	US/Can
MTSMC-LAT1-U.R1	Embedded LTE Cat 3 Modem/USB w/Fallback & GPS (50 Pk) (AT&T)	US/Can
MTSMC-LAT1-U.R1-SP	Embedded LTE Cat 3 Modem/USB w/Fallback & GPS (1 Pk) (AT&T)	US/Can
MTSMC-LVW2.R1	Embedded LTE Cat 3 Modem/Serial & GPS (50 Pk) (Verizon)	US
MTSMC-LVW2.R1-SP	Embedded LTE Cat 3 Modem/Serial & GPS (1 Pk) (Verizon)	US
MTSMC-LVW2-U.R1	Embedded LTE Cat 3 Modem/USB & GPS (50 Pk) (Verizon)	US
MTSMC-LVW2-U.R1-SP	Embedded LTE Cat 3 Modem/USB & GPS (1 Pk) (Verizon)	US

Cross Reference Table

NEOL Ordering Part Number	Description	New Ordering Part Number	Description
MTSMC-LAT1	Embedded LTE Cat 3 Modem/Serial w/Fallback & GPS (50 Pk) (AT&T)	MTSMC-L4N1	Embedded LTE Cat 4 Modem/Serial w/Fallback & GNSS (50 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LAT1-SP	Embedded LTE Cat 3 Modem/Serial w/Fallback & GPS (1 Pk) (AT&T)	MTSMC-L4N1-SP	Embedded LTE Cat 4 Modem/Serial w/Fallback & GNSS (1 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LAT1-U	Embedded LTE Cat 3 Modem/USB w/Fallback & GPS (50 Pk) (AT&T)	MTSMC-L4N1-U	Embedded LTE Cat 4 Modem/USB w/Fallback & GNSS (50 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LAT1-U-SP	Embedded LTE Cat 3 Modem/USB w/Fallback & GPS (1 Pk) (AT&T)	MTSMC-L4N1-U-SP	Embedded LTE Cat 4 Modem/USB w/Fallback & GNSS (1 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LVW2	Embedded LTE Cat 3 Modem/Serial & GPS (50 Pk) (Verizon)	MTSMC-L4N1	Embedded LTE Cat 4 Modem/Serial w/Fallback & GNSS (50 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LVW2-SP	Embedded LTE Cat 3 Modem/Serial & GPS (1 Pk) (Verizon)	MTSMC-L4N1-SP	Embedded LTE Cat 4 Modem/Serial w/Fallback & GNSS (1 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LVW2-U	Embedded LTE Cat 3 Modem/USB & GPS (50 Pk) (Verizon)	MTSMC-L4N1-U	Embedded LTE Cat 4 Modem/USB w/Fallback & GNSS (50 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LVW2-U-SP	Embedded LTE Cat 3 Modem/USB & GPS (1 Pk) (Verizon)	MTSMC-L4N1-U-SP	Embedded LTE Cat 4 Modem/USB w/Fallback & GNSS (1 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LAT1.R1	Embedded LTE Cat 3 Modem/Serial w/Fallback & GPS (50 Pk) (AT&T)	MTSMC-L4N1	Embedded LTE Cat 4 Modem/Serial w/Fallback & GNSS (50 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LAT1.R1-SP	Embedded LTE Cat 3 Modem/Serial w/Fallback & GPS (1 Pk) (AT&T)	MTSMC-L4N1-SP	Embedded LTE Cat 4 Modem/Serial w/Fallback & GNSS (1 Pk) (AT&T/Verizon Dual Mode)
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MTSMC-LVW2.R1-SP	Embedded LTE Cat 3 Modem/Serial & GPS (1 Pk) (Verizon)	MTSMC-L4N1-SP	Embedded LTE Cat 4 Modem/Serial w/Fallback & GNSS (1 Pk) (AT&T/Verizon Dual Mode)

NEOL Ordering Part Number	Description	New Ordering Part Number	Description
MTSMC-LVW2-U.R1	Embedded LTE Cat 3 Modem/USB & GPS (50 Pk) (Verizon)	MTSMC-L4N1-U	Embedded LTE Cat 4 Modem/USB w/Fallback & GNSS (50 Pk) (AT&T/Verizon Dual Mode)
MTSMC-LVW2-U.R1-SP	Embedded LTE Cat 3 Modem/USB & GPS (1 Pk) (Verizon)	MTSMC-L4N1-U-SP	Embedded LTE Cat 4 Modem/USB w/Fallback & GNSS (1 Pk) (AT&T/Verizon Dual Mode)

Product specifications are subject to change without notice.

MTSMC-Lxxx models are encryption items. U.S. Export Administration Regulations have special restrictions on the export of encryption items; please refer to these regulations. Any export of commodities, technology, or software must be exported from the United States in accordance with the Export Administration Regulations. Export or diversion contrary to U.S. law is prohibited.

VI. Warranty and Support

Two-Year Product Warranty

All MultiTech products include a two-year warranty that includes on-line technical support, 24-hour website support and ftp support.

VII. Suggested Action Plan

To help facilitate the launch of the new ordering part numbers, we recommend the following actions be taken:

- Forward this announcement to others within your organization who are actively involved in the sale or support of cellular modems.
- Ensure that the new ordering part numbers are loaded in your pricing system.
- Place initial stocking orders for the new ordering part numbers.
- Use the new ordering part numbers for all new design registrations.
- Notify and work with existing customers to migrate them to the new ordering part numbers.

VIII. Additional Information

If you have any questions or require additional information on this Product Announcement, please contact your MultiTech sales representative:

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