



Product Bulletin

MultiTech Introduces 4G LTE Category 4 MultiConnect® Cell 100 Series Cellular Modem For North America

Date: August 28, 2019

I. Summary

Industrial IoT and M2M applications are becoming increasingly dependent on the fastest 4G-LTE data speeds in order to enable intelligence at the edge and support service level commitments to customers. With that in mind, MultiTech introduces a new addition to the MultiConnect® Cell 100 Series of external cellular modems. The newest models now offer 4G-LTE Category 4 support for both AT&T and Verizon wireless networks.

These new 4G-LTE Category 4 models simplify the supply chain management for customers, as one single model number now supports both AT&T and Verizon wireless networks. Combining this simplicity with the powerful Category 4 speeds creates significant value while maximizing overall cost of ownership.

Customers currently using a MultiTech 4G-LTE Category 3 MultiConnect Cell 100 Series cellular modem should work with their MultiTech sales representative to understand the approaching [Key Dates](#) and [Last-Time-Buy](#) requirements.

II. Suggested Action Plan

Customers who are interested in learning more about the LTE Category 4 MultiConnect Cell cellular modems should review this document and learn more about the advantage of transitioning to a LTE Category 4 solution.

- Forward this announcement to others within your organization who are actively involved in the qualification and support of cellular modems.
- Contact your MultiTech sales representative to purchase a sample device for evaluation and qualification.
- Use the [MultiTech Support Portal](#) to ask technical questions and work directly with the support team.

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III. Product Description

The [MultiConnect® Cell](#) 100 Series cellular modem is a compact communications platform that provides cellular capabilities for fixed and mobile applications. It is intended for use in settings demanding reliable performance under rugged conditions, low power and long range such as remotely monitoring solar micro-inverters, power generators, tanks, pipelines, meters, pumps and valves in any energy, utility or industrial application.

The MultiConnect Cell 100 Series family has also been successfully deployed by professionals in emergency services, vending, remote patient monitoring, renewable energy systems, End-of-Train system management and process automation. MultiConnect Cell 100 Series modems are fully certified for deployment in multiple geographies around the world, so you can get to market extremely fast. Designed specifically for M2M applications, they provide a long, stable lifecycle and are durable, reliable and easy to deploy.

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>

IV. Product Comparison

The new MultiConnect Cell 100 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 (-LNA4 models):

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

Verizon 4G-LTE Bands Supported: 4 and 13

	4G-LTE Category 4 AT&T/Verizon (-LNA4 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

Frequency Bands (MHz)	4G: B2(1900), B4(AWS1700), B5(850), B12(700), B13(700), 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

V. New Ordering Part Number

Ordering Part Number	Description	Region
MultiConnect® Cell 100 Series LTE Cat 4 Embedded Cellular Modems		
MTC-LNA4-B01	LTE Cat 4 Cellular Modem, RS-232 Interface, without Accessories (AT&T/Verizon Dual Mode Cell)	US/Can

LTE Cat 4 models are available now.

VI. Cross Reference Table

NEOL Ordering Part Number	Description	New Ordering Part Number	Description
MTC-LAT1-B01	LTE Cat 3 Modem,RS-232 w/Fallback, w/o Accessory Kit (AT&T)	MTC-LNA4-B01	LTE Cat 4 Modem, RS-232 interface without Accessory Kit (AT&T - Verizon Dual mode cell)
MTC-LAT1-B01-US	LTE Cat 3 Cellular Modem, RS-232 Interface w/Fallback, w/US Accessory Kit (AT&T)	MTC-LNA4-B01-US*	LTE Cat 4 Modem, RS-232 interface with US Accessory Kit (AT&T - Verizon Dual mode cell)
MTC-LAT1-B02	LTE Cat 3 Modem,RS-232 w/GPS & Fallback, w/o Accessory Kit (AT&T)	Contact MultiTech Sales	N/A
MTC-LAT1-B02-US	LTE Cat 3 Modem,RS-232 w/GPS & Fallback, w/US Accessory Kit (AT&T)	Contact MultiTech Sales	N/A
MTC-LAT1-B03-KIT	LTE Cat 3 Cellular Modem, USB Interface w/Fallback, w/USB Accessory Kit (AT&T)	MTC-LNA4-B03-KIT*	LTE Cat 4 Modem, USB interface with USB Accessory Kit (AT&T - Verizon Dual mode cell)
MTC-LAT1-B03	LTE Cat 3 Modem, USB w/Fallback, w/o Accessory Kit (AT&T)	MTC-LNA4-B03*	LTE Cat 4 Modem, USB interface without

NEOL Ordering Part Number	Description	New Ordering Part Number	Description
			Accessory Kit (AT&T - Verizon Dual mode cell)
MTC-LVW2-B01	LTE Cat 3 Modem, RS-232 Interface w/o Accessory Kit (Verizon)	MTC-LNA4-B01	LTE Cat 4 Modem, RS-232 interface without Accessory Kit (AT&T - Verizon Dual mode cell)
MTC-LVW2-B01-US	LTE Cat 3 Modem (RS-232) w/US Accessory Kit (Verizon)	MTC-LNA4-B01-US*	LTE Cat 4 Modem, RS-232 interface with US Accessory Kit (AT&T - Verizon Dual mode cell)
MTC-LVW2-B02	LTE Cat 3 Modem, RS-232 Interface w/GPS, w/o Accessory Kit (Verizon)	Contact MultiTech Sales	N/A
MTC-LVW2-B02-US	LTE Cat 3 Modem(RS-232) w/GPS, w/US Accessory Kit (Verizon)	Contact MultiTech Sales	N/A

*These models were announced in November of 2018 and are currently available.

VII. Category 3 Ordering Part Numbers

The availability of Category 4 ordering part numbers initiates the **Near-End-Of-Life (NEOL)** for the Category 3 ordering part numbers. Contact your MultiTech sales representative to understand these key dates to help ensure an uninterrupted supply of cellular modems to meet your deployment requirements:

Key Dates

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.

NEOL Ordering Part Numbers

NEOL Ordering Part Number	Description	Region
MultiConnect® Cell 100 Series LTE Cat 3 Embedded Cellular Modems		
MTC-LAT1-B01	LTE Cat 3 Modem,RS-232 w/Fallback, w/o Accessories (AT&T)	US/Can
MTC-LAT1-B01-US	LTE Cat 3 Modem, RS-232 Interface w/Fallback, w/US Accessory Kit(AT&T)	US/Can

NEOL Ordering Part Number	Description	Region
MTC-LAT1-B02	LTE Cat 3 Modem,RS-232 w/GPS & Fallback, w/o Accessory Kit (AT&T)	US/Can
MTC-LAT1-B02-US	LTE Cat 3 Modem,RS-232 w/GPS & Fallback, w/US Accessory Kit (AT&T)	US/Can
MTC-LAT1-B03-KIT	LTE Cat 3 Modem, USB Interface w/Fallback, w/USB Accessory Kit (AT&T)	US/Can
MTC-LAT1-B03	LTE Cat 3 Modem, USB w/Fallback, w/o Accessory Kit (AT&T)	US/Can
MTC-LVW2-B01	LTE Cat 3 Modem, RS-232 Interface w/o Accessory Kit (Verizon)	US
MTC-LVW2-B01-US	LTE Cat 3 Modem (RS-232) w/US Accessory Kit (Verizon)	US
MTC-LVW2-B02	LTE Cat 3 Modem, RS-232 Interface w/GPS, w/o Accessory Kit (Verizon)	US
MTC-LVW2-B02-US	LTE Cat 3 Modem(RS-232) w/GPS, w/US Accessory Kit (Verizon)	US

Product specifications are subject to change without notice.

MTC-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.

VIII. 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.

IX. Additional Information

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

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