Worldwide Product Announcement

MultiConnect® Conduit® Family of Gateways
4G-LTE Category 4 Models
New Ordering Part Numbers
4G-LTE Category 3 Models
Near-End-of-Life Announcement

Category 4 Models - Available October 2019

Date: July 25, 2019

I. Summary

MultiTech announces new 4G-LTE Category 4 ordering part numbers for the MultiConnect® Conduit® family of gateways used in North America:

> Conduit® IoT Programmable Gateway
> Conduit® IP67 Base Station
> Conduit® IP67 Geolocation Base Station
> Conduit® IoT Starter Kit for LoRa Technology

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.

Please contact your MultiTech sales representative for information on sample availability. Please verify if the sample will be used on the Verizon or A&T Network.

II. Product Description

The MultiConnect Conduit family of products is the industry's most configurable, manageable, and scalable cellular communications gateways for industrial IoT applications. Network engineers can remotely configure and optimize their Conduit performance through DeviceHQ®, the world's first IoT Application Store and Device Management platform.

The award-winning MultiConnect Conduit series comes in three variants designed to address specific IoT gateway use cases:

- **MultiConnect Conduit:** Indoor industrial gateway, ideal for environments that require metal casing for protection against particles and debris and require an industrial temperature range.

- **MultiConnect Conduit IP67 Base Station:** Outdoor IP67-rated gateway ideal suited for performing in harsh environments such as rain, snow, extreme heat, and high winds.

- **MultiConnect Conduit IoT Starter Kit for LoRa Technology:** Everything needed to get a LoRa proof of concept up, running and connected to the cloud – all in one box. The Conduit IoT Starter Kit is designed to obtain sensor information and display it in the cloud within minutes of opening the box.

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 (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

III. Key Dates

4G-LTE Category 3 NEOL Ordering Part Numbers

List of NEOL ordering part numbers

Conduit Programmable Gateway (MTCDT-LAT1-XX, MTCDT-LVW2-XX)

Conduit IP67 Base Station (MTCDTIP-LAT1-XX, MTCDTIP-LVW2-XX)

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 or while supplies last

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.

4G-LTE Category 4 New Ordering Part Numbers

List of NEW ordering part numbers

Conduit Programmable Gateway (MTCDT-L4N1-XX)

Conduit IP67 Base Station (MTCDTIP-L4N1-XX)

Evaluation Samples: Contact a MultiTech sales representative. Please specify if evaluating on the AT&T or Verizon network.
Production Quantities: Q4, 2019

IV. Product Comparison

The new Conduit IoT Programmable Gateway and Conduit IP67 Base Station 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, 14, and 66
> Verizon 4G-LTE Bands Supported: 2, 4, 5, 13, and 66

	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), B12(700), 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 peal 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
mPower™ Firmware Support	MTCDT AEP 5.0.0 [2]	MTCDT AEP 5.0.0 MTCDT AEP 1.7.4 [2] MTCDT AEP 1.6.4 [2] MTCDT AEP 1.4.17 [2]	MTCDT AEP 5.0.0 MTCDT AEP 1.7.4 [2] MTCDT AEP 1.6.4 [2] MTCDT AEP 1.4.17 [2]

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

(2) Custom applications written in earlier versions of MTCDT AEP firmware must be upgraded to MTCDT AEP 5.0.0 in order to transition to the MTCDT-L4N1 and MTCDTIP-L4N1 replacement products. Visit http://www.multitech.net/developer/downloads/#aep to download the latest firmware version.

V. New Ordering Part Numbers

New Ordering Part Number	Description	Region
MultiConnect® Conduit® IoT Programmable Gateways + LoRa Accessory Cards		

MTCDT-L4N1-247A-915-US	LTE Cat 4 AEP Programmable Gateway 8-channel, 915 MHz, GNSS+WiFi/BT w/MTAC-LORA-H-915 mCard and US Accessory Kit (AT&T/Verizon)
	   Accessory Kit Includes: Power supply with NAM blade, Ethernet and USB cables, LoRa 868/915 MHz RP-SMA antenna, Wi-Fi antenna, two LTE antennas and Quick Start Guide.
	   GNSS antenna sold separately
		US/Canada

MTCDT-L4N1-246A-915-US	LTE Cat 4 AEP Programmable Gateway 8-channel, 915 MHz, GNSS w/MTAC-LORA-H-915 mCard and US Accessory Kit (AT&T/Verizon)
	   Accessory Kit Includes: Power supply with NAM blade, Ethernet and USB cables, LoRa 868/915 MHz RP-SMA antenna, two LTE antennas and Quick Start Guide.
	   GNSS antenna sold separately.
		US/Canada

MultiConnect® Conduit® IoT Programmable Gateways		

MTCDT-L4N1-247A-US	LTE Cat 4 AEP Programmable Gateway 8-channel, GNSS+WiFi/BT and US Accessory Kit (AT&T/Verizon)
	   Accessory Kit Includes: Power supply with NAM blade, Ethernet and USB cables, two LTE antennas, Wi-Fi antenna and Quick Start Guide.
	   GNSS antenna sold separately
		US/Canada

MTCDT-L4N1-246A-US	LTE Cat 4 AEP Programmable Gateway 8-channel, GNSS w/ US Accessory Kit (AT&T/Verizon)
	   Accessory Kit Includes: Power supply with NAM blade, Ethernet and USB cables, two LTE antennas and Quick Start Guide.
	   GNSS antenna sold separately.
		US/Canada

Product specifications are subject to change without notice.

MTCDT and MTCDTIP 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.

New Ordering Part Number	Description	Region
MultiConnect® Conduit® IP67 Base Station		

MTCDTIP-L4N1-267A-915	LTE Cat 4 AEP Conduit IP67 Base Station 8-channel, 915 MHz, w/ GNSS+WiFi/BT and Accessory Kit (AT&T/Verizon)
	   Accessory Kit Includes: Mounting bracket kit, LoRa antenna,
	   2 cellular antennas, 1 GNSS antenna, 1 Wi-Fi/BT antenna
		US/Canada

MTCDTIP-L4N1-266A-915	LTE Cat 4 AEP Conduit IP67 Base Station 8-channel, 915 MHz, w/ GNSS and Accessory Kit (AT&T/Verizon)
	   Accessory Kit Includes: Mounting bracket kit, LoRa antenna, 2
	   cellular antennas, 1 GNSS antenna
		US/Canada

MultiConnect® Conduit® IP67 Geolocation Base Station		

MTCDTIP-L4N1-275L-915	LTE Cat 4 mLinux Conduit IP67 Geolocation Base Station 16-channel, 915 MHz, w/ GNSS+WiFi/BT and Accessory Kit (AT&T/Verizon)
	   Accessory Kit Includes: Mounting bracket kit, LoRa antenna,
	   2 cellular antennas, 1 GNSS antenna, 1 WiFi/BT antenna
		US/Canada

MTCDTIP-L4N1-270L-915	LTE Cat 4 mLinux Conduit IP67 Geolocation Base Station 16-channel, 915 MHz, w/ GNSS and Accessory Kit (AT&T/Verizon)
	   Accessory Kit Includes: Mounting bracket kit, LoRa antenna,
	   2 cellular antennas, 1 GNSS antenna
		US/Canada

MultiConnect® Conduit® IoT Starter Kit		

MTCDT-L4N1-247A-STARTERKIT-915	LTE Conduit IoT Starter Kit for LoRa Technology, 915 MHz w/GNSS & Wi-Fi/BLE (AT&T/Verizon)
	   Includes:
	   - Conduit with LoRa mCard: MTCDT-L4N1-247A-915-US-EU-GB
	   - mDot: MTDOT-915-X1P-SMA-1
	   - mDot Dev Kit: MTUDK2-ST-MDOT
	   - mDot Micro Dev Kit: MTMDK-ST-MDOT
	   - mDot Box: MTDOT-BOX-G-915
	   - xDot Micro Dev Kit: MTMDK-XDOT-NA1-A00 (915 MHz xDot)
	   - 868-915 MHz LoRa Antennas: AN868-915A-1HRA (Quantity 2)
	   - GPS Antenna: ANGPS-1MM
	   - Wi-Fi/BLE antenna: ANWBT-1HRA
	   - LTE Antenna: ANLTE2-2HRA (Quantity 2)
	   - Power Supply w/NAM blade, Ethernet cable & USB cables
		US/Canada

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VI. NEOL Ordering Part Numbers

NEOL Ordering Part Number	Description	Region
MultiConnect® Conduit® IoT Programmable Gateways + LoRa Accessory Cards		
MTCDT-LAT1-247A-915-US	LTE AEP Programmable Gateway w/MTAC-LORA-H-915 mCard, GNSS+Wi-Fi/BT w/US Accessory Kit (AT&T)	US/Canada
MTCDT-LVW2-247A-915-US	LTE AEP Programmable Gateway w/MTAC-LORA-H-915 mCard, GNSS+Wi-Fi/BT w/US Accessory Kit (Verizon)	US/Canada
MTCDT-LAT1-246A-915-US	LTE AEP Programmable Gateway w/MTAC-LORA-H-915 mCard, GNSS w/US Accessory Kit (AT&T)	US/Canada
MTCDT-LAT1-246L-915-US	LTE mLinux Programmable Gateway w/MTAC-LORA-H-915 mCard, GNSS w/US Accessory Kit (AT&T)	US/Canada
MTCDT-LVW2-246A-915-US	LTE AEP Programmable Gateway w/MTAC-LORA-H-915 mCard, GNSS w/US Accessory Kit (Verizon)	US/Canada
MTCDT-LVW2-246L-915-US	LTE mLinux Programmable Gateway w/MTAC-LORA-H-915 mCard, GNSS w/US Accessory Kit (Verizon)	US/Canada
MultiConnect® Conduit® IoT Programmable Gateways		
MTCDT-LAT1-247A-US	LTE AEP Programmable Gateway GNSS+WIFI/BT w/US Accessory Kit	US/Canada
MTCDT-LVW2-247A-US	LTE AEP Programmable Gateway GNSS+WIFI/BT w/US Accessory Kit	US/Canada
MTCDT-LAT1-247L-US	LTE mLinux Programmable Gateway GNSS+WIFI/BT w/US Accessory Kit	US/Canada
MTCDT-LVW2-247L-US	LTE mLinux Programmable Gateway GNSS+WIFI/BT w/US Accessory Kit	US/Canada
MTCDT-LAT1-246A-US	LTE AEP Programmable Gateway GNSS w/US Accessory Kit (AT&T)	US/Canada
MTCDT-LVW2-246A-US	LTE AEP Programmable Gateway GNSS w/US Accessory Kit	US/Canada
MTCDT-LAT1-246L-US	LTE mLinux Programmable Gateway GNSS w/US Accessory Kit	US/Canada
MTCDT-LVW2-246L-US	LTE mLinux Programmable Gateway GNSS w/US Accessory Kit	US/Canada

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NEOL Ordering Part Number	Description	Region
MultiConnect® Conduit® IP67 Base Station		
MTCDTIP-LAT1-267A-915	LTE Cat 3 Application Enablement Conduit IP67 Base Station, GNSS/WiFi/BT/BLE w/Accessory Kit (AT&T)	US/Canada
MTCDTIP-LVW2-267A-915	LTE Cat 3 Application Enablement Conduit IP67 Base Station, GNSS/WiFi/BT/BLE w/Accessory Kit (Verizon)	US/Canada
MTCDTIP-LAT1-266A-915	LTE Cat 3 Application Enablement Conduit IP67 Base Station, GNSS w/Accessory Kit (AT&T)	US/Canada
MTCDTIP-LVW2-266A-915	LTE Cat 3 Application Enablement Conduit IP67 Base Station, GNSS w/Accessory Kit (Verizon)	US/Canada
MultiConnect® Conduit® IP67 Geolocation Base Station		
MTCDTIP-LAT1-275L-915	LTE Cat 3 Conduit IP67 Geolocation Base Station, GNSS w/Wi-Fi/BT, w/Accessories (AT&T)	US/Canada
MTCDTIP-LVW2-275L-915	LTE Cat 3 Conduit IP67 Geolocation Base Station, GNSS w/Wi-Fi/BT, w/Accessories (Verizon)	US/Canada
MTCDTIP-LAT1-270L-915	LTE Cat 3 Conduit IP67 Geolocation Base Station, GNSS w/Accessories (AT&T)	US/Canada
MTCDTIP-LVW2-270L-915	LTE Cat 3 Conduit IP67 Geolocation Base Station, GNSS w/Accessories (Verizon)	US/Canada
MultiConnect® Conduit® IoT Starter Kit		
MTCDT-LAT1-247A-STARTERKIT-915	LTE Conduit IoT Starter Kit for LoRa Technology, 915 MHz w/GNSS & Wi-Fi/BLE (AT&T)	US/Canada
MTCDT-LVW2-247A-STARTERKIT-915	LTE Conduit IoT Starter Kit for LoRa Technology, 915 MHz w/GNSS & Wi-Fi/BLE (Verizon)	US/Canada

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VII. Cross Reference

NEOL Ordering Part Number [1]	Recommended Replacement Ordering Part Number	Region
MultiConnect® Conduit® IoT Programmable Gateways + LoRa Accessory Cards		
MTCDT-LAT1-247A-915-US [1]	MTCDT-L4N1-247A-915-US	US/Canada
MTCDT-LVW2-247A-915-US [1]	MTCDT-L4N1-246A-915-US	US/Canada
MTCDT-LAT1-246A-915-US [1]	MTCDT-L4N1-247A-915-US	US/Canada
MTCDT-LAT1-246L-915-US	MTCDT-L4N1-247A-915-US	US/Canada
MTCDT-LVW2-246A-915-US [1]	MTCDT-L4N1-246A-915-US	US/Canada
MTCDT-LVW2-246L-915-US	MTCDT-L4N1-246A-915-US	US/Canada
MultiConnect® Conduit® IoT Programmable Gateways		
MTCDT-LAT1-247A-US [1]	MTCDT-L4N1-247A-US	US/Canada
MTCDT-LVW2-247A-US [1]	MTCDT-L4N1-247A-US	US/Canada
MTCDT-LAT1-247L-US	MTCDT-L4N1-247A-US	US/Canada
MTCDT-LVW2-247L-US	MTCDT-L4N1-247A-US	US/Canada
MTCDT-LAT1-246A-US [1]	MTCDT-L4N1-246A-US	US/Canada
MTCDT-LVW2-246A-US [1]	MTCDT-L4N1-246A-US	US/Canada
MTCDT-LAT1-246L-US	MTCDT-L4N1-246A-US	US/Canada
MTCDT-LVW2-246L-US	MTCDT-L4N1-246A-US	US/Canada
MultiConnect® Conduit® IP67 Base Station		
MTCDTIP-LAT1-267A-915 [1]	MTCDTIP-L4N1-267A-915	US/Canada
MTCDTIP-LVW2-267A-915 [1]	MTCDTIP-L4N1-267A-915	US/Canada
MTCDTIP-LAT1-266A-915 [1]	MTCDTIP-L4N1-266A-915	US/Canada
MTCDTIP-LVW2-266A-915 [1]	MTCDTIP-L4N1-266A-915	US/Canada

(1) Custom applications written in earlier versions of MTCDT AEP firmware must be upgraded to MTCDT AEP 5.0.0 in order to transition to the MTCDT-L4N1 and MTCDTIP-L4N1 replacement products. Visit http://www.multitech.net/developer/downloads/#aep to download the latest firmware version.

VII. Cross Reference (Continued)

NEOL Ordering Part Number	Recommended Replacement Ordering Part Number	Region
MultiConnect® Conduit® IP67 Geolocation Base Station		
MTCDTIP-LAT1-275L-915	MTCDTIP-L4N1-275L-915	US/Canada
MTCDTIP-LVW2-275L-915	MTCDTIP-L4N1-275L-915	US/Canada
MTCDTIP-LAT1-270L-915	MTCDTIP-L4N1-270L-915	US/Canada
MTCDTIP-LVW2-270L-915	MTCDTIP-L4N1-270L-915	US/Canada
MultiConnect® Conduit® IoT Starter Kit		
MTCDT-LAT1-247A-STARTERKIT-915	MTCDT-L4N1-247A-STARTERKIT-915	US/Canada
MTCDT-LVW2-247A-STARTERKIT-915	MTCDT-L4N1-247A-STARTERKIT-915	US/Canada

VIII. Warranty and Support

<u>Two-Year Product Warranty</u>
All MultiTech products include a two-year warranty that includes on-line technical support, 24-hour website support and ftp support.

<u>Extended Warranty Services</u>
To give your customers peace-of-mind and protect their investment, our Extended Warranty Service Plans ensure MultiTech products are covered for one-, two-, or three-years beyond the two-year manufacturer's warranty.

For a complete list of extended warranty part numbers, descriptions and prices, please consult the price addendum.

IX. 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 programmable gateways and base stations.
- Ensure that the new 4G-LTE Category 4 ordering part numbers are loaded in your pricing system.
- Place initial stocking orders for the new 4G-LTE ordering part numbers.
- Use the new 4G-LTE Category 4 ordering part numbers for all new design registrations.
- Notify existing customers of the change in status of the 4G-LTE Category 3 gateways and work to migrate them the new 4G-LTE Category 4 ordering part numbers.

X. Additional Information

If you have any questions or require additional information on this Product Announcement, please contact your MultiTech sales representative or visit the technical resources listed below:

World Headquarters – U.S.
+1 (763) 785-3500 | sales@multitech.com

EMEA Headquarters – UK:
+(44) 118 959 7774 | sales@multitech.co.uk

MultiTech Website: www.multitech.com
MultiTech Developer Site: www.multitech.net
MultiTech Support Portal: https://support.multitech.com/support/login.html