

Product Change Notification
Software Release Notice

MultiTech[®] Conduit[®]
Family of Programmable Gateways:
Conduit IoT Programmable Gateway
Conduit IP67 Base Station,
and Conduit AP Access Point



mLinux 5.2.7 Firmware Available

Date: June 23, 2020

Product Change Notification Number
PCN 06232020-001 (mLinux)

I. Overview

MultiTech announces updated mLinux firmware versions for the MultiTech[®] Conduit[®] family of products, including:

- MultiTech[®] Conduit[®] AP Access Point
- MultiTech[®] Conduit[®] Gateway
- MultiTech[®] Conduit[®] IP67 Base Station

The purpose of this Software Release Notice is to alert customers that updated code is available for evaluation and to provide customers important information on this new release.

New mLinux version: mLinux 5.2.7

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Downloadable versions

- mLinux 5.2.7 Availability: June 23, 2020
<http://www.multitech.net/developer/downloads/#mlinux>
- Upgrading Instructions:
<http://www.multitech.net/developer/software/mlinux/upgrading-mlinux/>

Manufacturing

- See [Ordering Numbers Impacted](#) for details on when mLinux 5.2.7 will be available for different devices

mLinux Changelog:

<http://www.multitech.net/developer/software/mlinux/mlinux-changelog/>

mLinux Upgrade Instructions:

<http://www.multitech.net/developer/software/mlinux/upgrading-mlinux/>

II. Models Impacted

The following Conduit models are impacted by these firmware updates:

- Conduit® IoT Programmable Gateways
- Conduit® IoT Programmable Gateways with LoRa Accessory Cards
- Conduit® IP67 Base Stations
- Conduit® IP67 Geolocation Base Stations
- Conduit® AP Access Points

For a specific list of the ordering part numbers impacted, reference [Ordering Part Numbers Impacted](#)

III. Release Guidelines

With each new mLinux firmware release, the following release guidelines are followed. For a specific list of the ordering part numbers impacted, reference [Ordering Part Numbers Impacted](#)

Hardware Status	Manufacturing Updates	Comments
New	June 2020	<ul style="list-style-type: none"> • New device that is shipping for the first time • Some customers may be testing devices with an earlier version of mLinux firmware or a beta version of mLinux firmware • MultiTech recommends that customers update this hardware to mLinux 5.2.7 firmware
Active	September 2020	<ul style="list-style-type: none"> • Active devices continue to ship with earlier mLinux versions for the next 60 to 90 days • Customers are encouraged to evaluate mLinux 5.2.7 firmware prior to this transition
NEOL	n/a	<ul style="list-style-type: none"> • NEOL devices continue to ship with earlier mLinux versions • Devices can be individually updated by customers
EOL	n/a	<ul style="list-style-type: none"> • EOL devices are no longer available for sale from MultiTech and not supported in mLinux 5.2.7 firmware • Technical inquiries: email support@multitech.com • Sales inquiries: email sales@multitech.com

IV. mLinux 5.2.7 Overview

New Features:

mLinux 5.2.7 versions include the following new features:

1. Commission Mode [PP-7]:
 - Due to California IoT Laws implemented on January 1, 2020, all new mLinux (version 5.2.7 and above) devices now use commissioning mode as a reasonable security measure. With this mode, users must choose a desired login and password before using the device.
 - Upon initial power up or after activating factory default settings, the device initiates commissioning mode.
 - Before using the device, you must register your first admin user via commissioning mode. Provide your own unique username and password as admin credentials for this device. This process also updates the U-Boot credentials with the same user-provided password.
 - We recommend users have commissioning active on new devices. Customers who elect to install custom images on their devices without commissioning should understand the security risks involved and accept responsibility for those risks which could include non-compliance with any existing standards or regulations.
2. MTAC-LORA-2G4-3 Support [PP-156]
 - Support for new MultiTech mCard™ MTAC-LORA-2G4-3.

V. Ordering Part Numbers Impacted

The following ordering part numbers are impacted by these updates:

Model Name	Ordering Part Numbers
Conduit® IoT Programmable Gateways	
Status: Active ⁽²⁾	Status: NEOL ⁽³⁾
MTCDDT-246L-US-EU-GB ⁽²⁾	MTCDDT-LAT1-246L-US ⁽³⁾
MTCDDT-247L-US-EU-GB ⁽²⁾	MTCDDT-LAT1-247L-US ⁽³⁾
MTCDDT-H5-246L-US-EU-GB ⁽²⁾	MTCDDT-LEU1-246L-AU ⁽³⁾
MTCDDT-H5-247L-US-EU-GB ⁽²⁾	MTCDDT-LEU1-247L-AU ⁽³⁾
MTCDDT-L4E1-246L-EU-GB ⁽²⁾	MTCDDT-LEU1-247L-EU-GB ⁽³⁾
MTCDDT-L4E1-247L-EU-GB ⁽²⁾	MTCDDT-LVW2-246L-US ⁽³⁾
MTCDDT-L4N1-246L-US ⁽²⁾	MTCDDT-LVW2-247L-US ⁽³⁾
MTCDDT-L4N1-247L-US ⁽²⁾	
Conduit® IoT Programmable Gateways with LoRa Accessory Cards	
Status: Active ⁽²⁾	Status: NEOL ⁽³⁾
MTCDDT-L4E1-246L-868-EU-GB ⁽²⁾	MTCDDT-LEU1-246L-868-EU-GB ⁽³⁾
MTCDDT-L4N1-246L-915-US ⁽²⁾	MTCDDT-LEU1-247L-868-EU-GB ⁽³⁾
MTCDDT-LAP3-246L-915-AU ⁽²⁾	MTCDDT-LVW2-246L-915-US ⁽³⁾
MTCDDT-LDC3-246L-923-JP ⁽²⁾	
Conduit® IP67 Base Stations	
Status: Active ⁽²⁾	Status: NEOL ⁽³⁾
MTCDDTIP-266L-868 ⁽²⁾	MTCDDTIP-LAT1-266L-915 ⁽³⁾
MTCDDTIP-266L-915 ⁽²⁾	MTCDDTIP-LAT1-267L-915 ⁽³⁾
MTCDDTIP-267L-868 ⁽²⁾	MTCDDTIP-LEU1-266L-868 ⁽³⁾
MTCDDTIP-267L-915 ⁽²⁾	MTCDDTIP-LEU1-266L-868/915 ⁽³⁾
MTCDDTIP-L4E1-266L-868 ⁽²⁾	MTCDDTIP-LEU1-266L-915 ⁽³⁾
MTCDDTIP-L4E1-267L-868 ⁽²⁾	MTCDDTIP-LEU1-267L-868 ⁽³⁾

Model Name	Ordering Part Numbers
MTCDTIP-LAT3-266L-915 ⁽²⁾	MTCDTIP-LVW2-266L-915 ⁽³⁾ MTCDTIP-LVW2-267L-915 ⁽³⁾
Conduit® IP67 Base Stations with Geolocation	
Status: Active ⁽²⁾	Status: NEOL ⁽³⁾
MTCDTIP-L4E1-270L-868 ⁽²⁾ MTCDTIP-L4E1-275L-868 ⁽²⁾ MTCDTIP-L4N1-270L-915 ⁽²⁾ MTCDTIP-L4N1-275L-915 ⁽²⁾ MTCDTIP-LDC3-270L-923-JP ⁽²⁾ MTCDTIP-LDC3-275L-923-JP ⁽²⁾	MTCDTIP-LAT1-270L-915 ⁽³⁾ MTCDTIP-LAT1-275L-915 ⁽³⁾ MTCDTIP-LEU1-270L-868 ⁽³⁾ MTCDTIP-LVW2-270L-915 ⁽³⁾ MTCDTIP-LVW2-275L-915 ⁽³⁾
Conduit® AP Access Points	
Status: Active ⁽²⁾	Status: NEOL ⁽³⁾
MTCAP-868-001L ⁽²⁾ MTCAP-868-041L ⁽²⁾ MTCAP-915-001L ⁽²⁾ MTCAP-915-041L ⁽²⁾ MTCAP-L4E1-868-001L ⁽²⁾ MTCAP-L4E1-868-041L ⁽²⁾ MTCAP-LAP3-915-001L ⁽²⁾ MTCAP-LAP3-915-041L ⁽²⁾ MTCAP-LNA3-915-001L ⁽²⁾ MTCAP-LNA3-915-041L ⁽²⁾ MTCAP-LSP3-915-001L ⁽²⁾ MTCAP-LSP3-915-041L ⁽²⁾	MTCAP-LEU1-868-001L ⁽³⁾ MTCAP-LEU1-868-002L ⁽³⁾

Footnotes:

	Hardware Status	Manufacturing Updates	Comments
(1)	New	June 2020	<ul style="list-style-type: none"> • New device that is shipping for the first time • Some customers may be testing devices with an earlier version of mLinux firmware or a beta version of mLinux firmware • MultiTech recommends that customers update this hardware to mLinux 5.2.7 firmware
(2)	Active	September 2020	<ul style="list-style-type: none"> • Active devices continue to ship with earlier mLinux versions for the next 60 to 90 days • Customers are encouraged to evaluate mLinux 5.2.7 firmware prior to this transition
(3)	NEOL	n/a	<ul style="list-style-type: none"> • NEOL devices continue to ship with earlier mLinux versions • Devices can be individually updated by customers

VI. Conduit[®] IoT Gateways

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 Conduit series comes in three variants designed to address specific IoT gateway use cases:

- **Conduit**: Indoor industrial gateway, ideal for environments that require metal casing for protection against particles and debris and require an industrial temperature range.
- **Conduit IP67 Base Station**: Outdoor IP67-rated gateway ideal suited for performing in harsh environments such as rain, snow, extreme heat, and high winds.
- **Conduit AP**: Indoor access point ideal for commercial environments (e.g., hotels, offices, retail facilities) to deepen LoRa coverage in difficult to reach places where cell tower or rooftop deployments may not perform as well.

VII. Additional Information

If you have any questions regarding this Product Change Notification/Software Release Notice, please contact your MultiTech sales representative or visit the technical resources listed below:

World Headquarters – USA

+1 (763) 785-3500 | sales@multitech.com

EMEA Headquarters – UK

+(44) 118 959 7774 | sales@multitech.co.uk

MultiTech Developer Resources:

www.multitech.net

An open environment where you can ask development related questions and hear back from MultiTech engineering or a member of this community.

Knowledge Base:

<http://www.multitech.com/kb.go>

Immediate access to support information and resolutions for all MultiTech products.

MultiTech Support Portal:

<https://support.multitech.com/support/login.html>

Create an account and submit a support case directly to our technical support team.

MultiTech Website:

www.multitech.com