

Product Change Notification

Conduit[®] Gateway
Conduit[®] IP67 200 Series Base Station
Conduit[®] IP67 Base Station
Conduit[®] AP Access Point

mPower[™] Edge Intelligence Update
mPower 5.3.8s-s1 Now Available



Date: April 4, 2022

Product Change Notification (PCN) Number

PCN 04042022-001 (Conduit - mPower)

Overview

Starting in April 2022, Conduit gateway shipments will include an updated version of mPower operating system:

- mPower 5.3.8s-s1
- Includes:
 - Resolution to [CVE-2022-0778](#) and other openssl CVE ([openssl release notes](#))
 - LoRa Network Server Update

Schedule:

- Starting in April 2022, MultiTech will begin shipping Conduit gateways with mPower 5.3.8s-s1
- See [part numbers impacted](#) for details
- See [Schedule](#) for Date of Manufacture details

Suggested Action Plan

Customers

1. Recognize that Conduit device shipments starting in April 2022 will include an updated version of mPower
2. Evaluate and approve the updated mPower version with your application and make updates if needed
3. Additional information
 - Technical inquiries: support.multitech.com
 - Sales inquiries: email sales@multitech.com

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Distributors

- Forward this announcement to others in your organization who are actively involved in the sale or support of programmable IoT gateways
- Notify existing customers that Conduit devices are now shipping an updated version of mPower software
- Encourage customers to evaluate the new mPower version in their environment. Updates to the mPower operating system may result in updates to the customer application

mPower 5.3.8s-s1 Overview

mPower 5.3.8s-s1 includes two critical updates:

Operating System Component Updates (mPower 5.3.8s-s1)

<p>Updated OpenSSL</p> <ul style="list-style-type: none"> • OpenSSL updated to version 1.1.1n • Previous versions of mPower used OpenSSL 1.1.1b • Resolution to CVE-2022-0778 and other openssl CVE (openssl release notes) • Additional information available at: http://www.multitech.com/landing-pages/security 	GP-1535
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Bug Fix (mPower 5.3.8s-s1)

<p>LoRa Network Server Update</p> <ul style="list-style-type: none"> • Overview of Bug: In mPower 5.3.7 and mPower 5.3.8, JoinEUI using all zeros was not allowed • Overview of Fix: In mPower 5.3.8s-s1, JoinEUI using all zeros is allowed to indicate that a join server is not available • Example: App eui: 00-00-00-00-00-00-00-00 	SP-5111000
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mPower Software Release Notes can be downloaded at:

<https://www.multitech.com/documents/publications/sales-flyers/mPower%20Software%205.x.x%20Conduit%20Gateways.pdf>

Schedule

Conduit devices with mPower 5.3.8s-s1:

- Manufacturing: Starting April 2022
 - Date of Manufacture: Starting April 11, 2022
 - See [part numbers impacted](#) for details
 - Identifying Date of Manufacture (chassis label)



DOM: 2022.04.11
DOM = Date of Manufacture
2022 = Year
04 = April
11 = Day

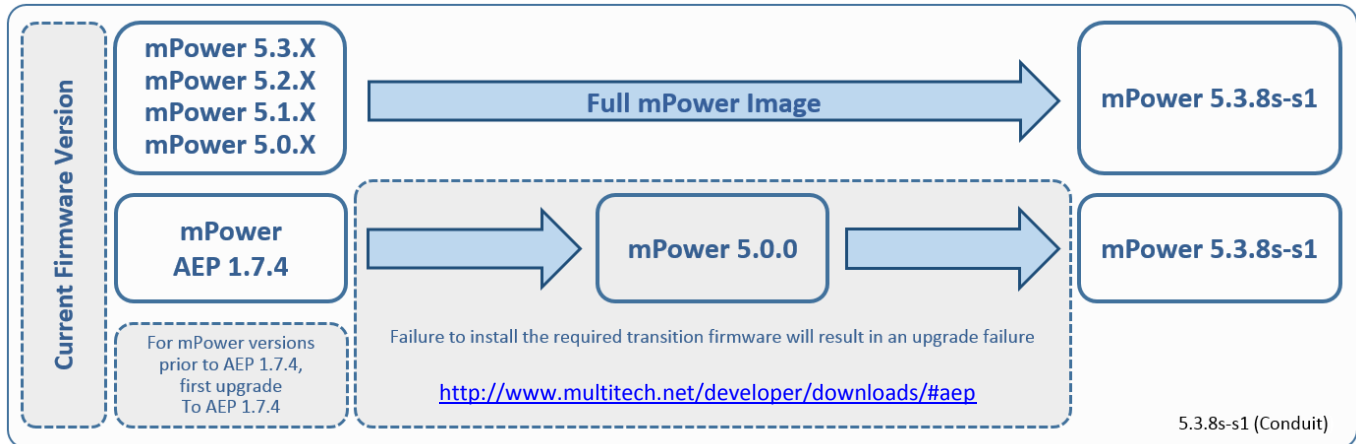
Ordering Part Numbers Impacted

The following ordering part numbers are impacted by these updates:

- MultiTech Conduit[®] Gateway
 - MTCDT-240A, MTCDT-246A, MTCDT-247A
 - MTCDT-L4E1, MTCDT-L4N1, MTCDT-LAT3, MTCDT-LAP3, MTCDT-LDC3, MTCDT-LSB3
- MultiTech Conduit[®] IP67 200 Series Base Station
 - MTCDTIP2-EN
 - MTCDTIP2-L4E1, MTCDTIP2-LNA3
- MultiTech Conduit[®] IP67 Base Station
 - MTCDTIP-266A, MTCDTIP-267A
 - MTCDTIP-L4E1, MTCDTIP-L4N1, MTCDTIP-LAP3, MTCDTIP-LDC3, MTCDTIP-LSB3
- MultiTech Conduit[®] AP Access Point
 - MTCAP-868, MTCAP2-868, MTCAP-915, MTCAP2-915
 - MTCAP-L4E1, MTCAP2-L4E1, MTCAP-LNA3, MTCAP2-LNA3

Upgrade Process (mPower 5.3.8s-s1)

To install mPower 5.3.8s-s1, the Conduit gateway must be upgraded to mPower 5.0.0 or higher. Customers that are running earlier versions of mPower should use the following upgrade process



mPower Edge Intelligence Overview

mPower™ Edge Intelligence is MultiTech’s embedded software offering delivering programmability, network flexibility, enhanced security and manageability for scalable Industrial Internet of Things (IIoT) solutions. mPower Edge Intelligence simplifies integration with a variety of popular upstream IoT platforms to streamline edge-to-cloud data management and analytics, while also providing the programmability and processing capability to execute critical tasks at the edge of the network to reduce latency, control network and cloud services costs, and ensure core functionality – even in instances when network connectivity may not be available.

mPower Software Release Notes can be downloaded at:

<https://www.multitech.com/documents/publications/sales-flyers/mPower%20Software%205.x.x%20Conduit%20Gateways.pdf>

Additional Information

If you have any questions regarding this Product Change Notification, 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 Security Advisories

www.multitech.com/landing-pages/security

MultiTech monitors industry news and announcements to identify security issues that may impact our devices and operating systems and strive to provide the information and tools to keep your deployments secure and online.

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:

support.multitech.com

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

MultiTech Website:

www.multitech.com

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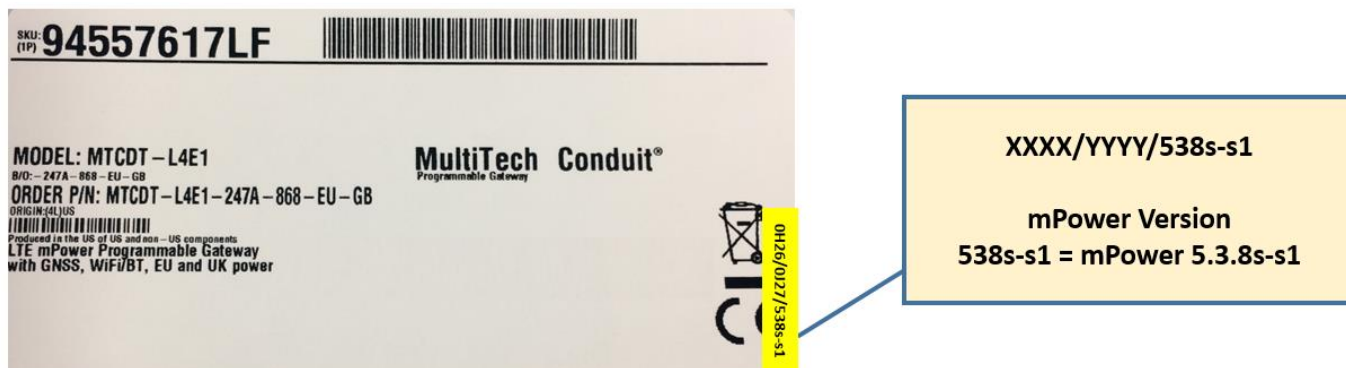
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ATTACHMENT I Identifying mPower Version

There are multiple ways of identifying the mPower version on a Conduit device:

1. Product Packaging

The carton label for each Conduit device includes an indication of the mPower version included.



2. mPower User Interface

- The Homepage (dashboard) displays a summary of the configuration settings for the Conduit device
- Device-Firmware: mPower Edge Intelligence version

3. DeviceHQ

- MultiTech DeviceHQ[®] is a cloud-based toolset for managing the latest generation of MultiTech devices, including the Conduit devices.
- On the **DeviceHQ Device Page**, ensure that the “Firmware” field is chosen as a column selection
- For all Conduit devices assigned to the account, the mPower version will be displayed

4. API Command

The Conduit uses RESTful JSONAPI for managing configurations, polling statistics, and issuing commands. Executing the following API command will return the mPower version of the Conduit device:

- API Command: `https://192.168.2.1/api/system/firmware`
- Instructions:
 1. Log into the Conduit device using a web browser
 2. Open a new tab and enter `https://192.168.2.1/api/system/firmware`
 - Command is case sensitive
 - Change the device IP address if necessary
 3. Press Enter
 4. Conduit device returns the following. In this example, the mPower version is mPower 5.3.8s-s1:

```
“code”: 200
“result”: “5.3.8s-s1”
“status”: “success”
```

Revision History

Version	Author	Date	Change Description
-001	DT	04/04/2022	Original version