



## Firmware for UC-8200 Series Release Notes

<b>Version: v1.8</b>	<b>Build: 250207_044133</b>
<b>Release Date: Apr 24, 2025</b>	

### Applicable Products

N/A

### Supported Operating Systems

Moxa Industrial Linux 1 (Debian 9)

### New Features

- Updates cellular management utility (cell\_mgmt) to support Telit LE910C4-WWxD.

### Enhancements

N/A

### Bugs Fixed

N/A

### Changes

N/A

### Notes

N/A



<b>Version: v1.7</b>	<b>Build: 24032015</b>
<b>Release Date: Mar 20, 2024</b>	

## Applicable Products

UC-8200 Series

## Supported Operating Systems

Moxa Industrial Linux 1 (Debian 9)

## New Features

- Supports auto installation of system image from an USB or a SD card upon next bootup.  
Use the command `mx-bootloader-mgmt image_auto_install` to start the installation.
- Adds 'cell\_mgmt sw\_reset' command for faster reboot time in time-sensitive applications.

## Enhancements

- Includes the latest security patches.
- Removes the 2 GB file size limitation on the bootloader for installing system images via the TFTP server.  
To support system images exceeding 4 GB, use a TFTP server that can accommodate larger files. We recommend using the SolarWinds TFTP server, which is tested and approved by Moxa.

## Bugs Fixed

N/A

## Changes

- When using the 'cell\_mgmt power\_cycle' command to initiate the modem power cycle, the cycle time will be extended by 25 seconds.  
This adjustment will address a rare issue of the Telit LE910C4 modem entering the protected mode during an excessively rapid power cycle. For time-sensitive applications that require quicker reboot, a new software reset command 'cell\_mgmt sw\_reset' has been introduced, which can be used to significantly shorten the reboot time.

## Notes

- For detailed release notes, including a change list for the packages, visit the Moxa Linux document center at:  
<https://docs.moxa.online/mil/>



<b>Version: v1.6</b>	<b>Build: 221124_134630</b>
<b>Release Date: Mar 06, 2023</b>	

## **Applicable Products**

UC-8200 Series

## **Supported Operating Systems**

Moxa Industrial Linux 1 (Debian 9)

## **New Features**

- Adds the moxa-bootloader-manager utility for upgrading the bootloader from Linux.

## **Enhancements**

- Includes the latest security patches.

## **Bugs Fixed**

- Even if the watchdog timer flags WDIOS\_ENABLECARD and WDIOS\_DISABLECARD are set successfully, the return value always still indicates failure.
- CVE-2022-3088 for moxa-version utility.

## **Changes**

N/A

## **Notes**

- For detailed release notes, including a change list for the packages, visit the Moxa Linux document center at: <https://docs.moxa.online/mil/>.



<b>Version: v1.5</b>	<b>Build: 220401_030638</b>
<b>Release Date: May 05, 2022</b>	

## **Applicable Products**

UC-8200 Series

## **Supported Operating Systems**

Moxa Industrial Linux (Debian 9)

## **New Features**

- Adds the moxa-auto-mountd package for configuring auto-mounting of USB devices and SD card.
- Synchronizes utilities, libraries, and configurations across all Moxa Arm-based computer models with Moxa Industrial Linux 1.1.0.
- Adds moxa-mxio-library, a user-friendly I/O programming library to reduce development effort and ease transfer operations when retrieving data from the ioLogik E1200 I/O devices.

## **Enhancements**

- Updates Debian to version 9.13.
- Includes the latest security patches.
- Cellular signal strength LED will now light up only when a connection to the Internet is available.
- The mx-ver utility now displays the Moxa Industrial Linux version.
- Adds the Moxa UPort driver for the UPort 1100/1200/1400/1600 Series.
- Increases the signal strength refresh interval to 60 seconds to improve performance.
- Upgrades tpm2-tools from 3.1.3-2 to 4.1.1-1.
- The Type parameter of wifi\_mgmt utility is no longer case sensitive.

## **Bugs Fixed**

- Duplicated SSIDs in the managed AP list of the wifi\_mgmt utility.

## **Changes**

N/A

## **Notes**

- For detailed release notes, including a change list for the packages, visit the Moxa Linux document center at:  
<https://docs.moxa.online/mil/>



<b>Version: v1.3</b>	<b>Build: 20072413</b>
<b>Release Date: Nov 26, 2020</b>	

### **Applicable Products**

UC-8200 Series

### **Supported Operating Systems**

Moxa Industrial Linux (Debian 9)

### **New Features**

N/A

### **Enhancements**

N/A

### **Bugs Fixed**

- Connection compatibility issue between the Moxa cell\_mgmt utility and Verizon on u-blox's latest revision of TOBY-L201 for the Americas (model: TOBY-L201-02S-01).

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.2</b>	<b>Build: 20060314</b>
<b>Release Date: Jul 16, 2020</b>	

### **Applicable Products**

UC-8200 Series

### **Supported Operating Systems**

Moxa Industrial Linux (Debian 9)

### **New Features**

N/A

### **Enhancements**

N/A

### **Bugs Fixed**

- Fixed an issue wherein the Wi-Fi accessory driver sometimes fails to initialize.
- Reset to default does not reset the OS kernel.
- The hardware initialization default state of the DO is ON when booting into the OS; should be OFF. DO state OFF is equivalent to setting a value HIGH in the mx\_dout\_set\_state() API of the Moxa DIO control library.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.1</b>	<b>Build: N/A</b>
<b>Release Date: Jan 06, 2020</b>	

**Applicable Products**

UC-8210-T-LX, UC-8220-T-LX-US-S, UC-8210-T-LX-S, UC-8220-T-LX-EU-S, UC-8220-T-LX-AP-S, UC-8220-T-LX

**Supported Operating Systems**

Debian 9.x

**New Features**

- First release.

**Enhancements**

N/A

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A