



## OS image for UC-5100 Series Release Notes

<b>Version: v1.5</b>	<b>Build: 221214_110613</b>
<b>Release Date: Mar 06, 2023</b>	

### Applicable Products

UC-5100 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: v1.4</b>	<b>Build: 220301_223109</b>
<b>Release Date: May 05, 2022</b>	

### **Applicable Products**

UC-5100 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**

- Updated 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.
- Added the Moxa UPort driver for the UPort 1100/1200/1400/1600 Series.
- Upgrades tpm2-tools from 3.1.3-2 to 4.1.1-1.

### **Bugs Fixed**

- An issue with the Telit cellular module gps\_off return code.

### **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: 20111910</b>
<b>Release Date: Jan 25, 2021</b>	

### **Applicable Products**

UC-5100 Series

### **Supported Operating Systems**

Moxa Industrial Linux (Debian 9)

### **New Features**

- Includes all libraries and kernel header files.
- Supports the cellular module Telit LE910C1-AP/EU.
- Adds the get SIM slot and get power status features to moxa-module-control.

### **Enhancements**

- Enhanced Wi-Fi and cellular signal start mechanism to fix an issue where signal sometimes didn't start.

### **Bugs Fixed**

- Wi-Fi and cellular signal sometimes doesn't start.

### **Changes**

Kernel

- Kernel name changed to 4.4.0-cip-rt-am335x.

System

- The signal representation in moxa-cellular-utils is now changed to a level indicator (range 0 to 5).

### **Notes**

N/A



<b>Version: v1.2</b>	<b>Build: Build 19070818</b>
<b>Release Date: Jul 08, 2019</b>	

### **Applicable Products**

UC-5101-LX, UC-5102-LX, UC-5111-LX, UC-5112-LX, UC-5101-T-LX, UC-5102-T-LX, UC-5111-T-LX, UC-5112-T-LX

### **Supported Operating Systems**

Moxa Industrial Linux (Debian 9)

### **New Features**

- Includes the mx-ver utility.
- Includes the mx-module-ctl utility, which replaces the mx-mod-ctl utility.
- Includes can-utils and bridge-utils packages.

### **Enhancements**

- Upgrades kernel version to CIP Linux 4.4.154.
- Upgrades the TPM v2.0 driver.
- Includes security patches: CVE-2018-9363, CVE-2018-10882, CVE-2018-10881, CVE-2018-10877, CVE-2018-10876, CVE-2018-10883, CVE-2018-10853, CVE-2018-6412, CVE-2018-1093, CVE-2018-1092, CVE-2017-8824, CVE-2018-1000004, CVE-2017-8824, CVE-2017-5715, CVE-2017-1000410, CVE-2017-5753, CVE 2017-5715, CVE-2017-17741, CVE-2017-1000407, CVE-2017-0861, CVE-2017-7518, CVE-2017-13080, CVE-2017-12193, CVE-2017-15265, CVE-2017-0786, CVE-2017-12154, CVE-2017-1000252, CVE-2017-12153, CVE-2017-11600, CVE-2017-10663, CVE-2015-8944, CVE-2016-6213, CVE-2017-1000370, CVE-2017-1000371.

### **Bugs Fixed**

- Modified the platform initialization script to fix an issue in an mx-uart-ctl utility option.
- Unload the WLAN module before powering off the SparkLAN WPEQ-160ACN module.

### **Changes**

- Removes the auto mount SD and auto mount USB features.
- Removes the mx-firm-upgrade, mx-firm-downgrade, and mx-overlay commands.

### **Notes**

N/A



<b>Version: v1.1</b>	<b>Build: N/A</b>
<b>Release Date: Apr 19, 2019</b>	

### **Applicable Products**

UC-5101-LX, UC-5101-T-LX, UC-5102-LX, UC-5102-T-LX, UC-5111-LX, UC-5111-T-LX, UC-5112-LX, UC-5112-T-LX

### **Supported Operating Systems**

Moxa Industrial Linux (Debian 9)

### **New Features**

- First release.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **Changes**

N/A

### **Notes**

N/A