



## OS Image for UC-3100 Series Release Notes

<b>Version: v1.5</b>	<b>Build: 22030713</b>
<b>Release Date: May 04, 2022</b>	

### Applicable Products

UC-3100 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.

### Bugs Fixed

- A connection failure issue on the UC-3100 Series (US models) with Telit cellular module when a Verizon SIM card is used without IMS.
- An issue with the Telit cellular module gps\_off return code for the UC Series that supports Telit LE910.
- UC-3111 and UC-3121: An issue where a system reboot triggered by the watchdog might have resulted in kernel panic.

### 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: 20102720</b>
<b>Release Date: Apr 16, 2021</b>	

### **Applicable Products**

UC-3100 Series

### **Supported Operating Systems**

N/A

### **New Features**

- Supports Telit LE910C1-EU and LE910C1-AP cellular modules.
- Updates the mx-module-ctl tool to support the `get sim card slot` function.

### **Enhancements**

- Upgrades the root file system to Debian 9.13.

### **Bugs Fixed**

- Wrong status from qmi wds when the signal is weak and the status is “detached”.
- First qmi command timeout issue on the Telit cellular module.
- Upgrades the root file system packages to fix CVEs.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.2</b>	<b>Build: 20040710</b>
<b>Release Date: Nov 06, 2020</b>	

## Applicable Products

UC-3100 Series

## Supported Operating Systems

Moxa Industrial Linux (Debian 9)

## New Features

- Kernel version upgraded from CIP Linux 4.4.75 to 4.4.190.
- OS updated from Debian 9 version 9.3 to 9.11. For details, visit <https://www.debian.org/News/2019/20190908>.
- Adds the mx-power-mgmt utility for managing power consumption.
- Includes multi-GNSS (GPS, GLONASS, BeiDou, Galileo, and QZSS) support.
- Bluetooth 4.2 compliant.
- Adds the mx-ver utility for retrieving device model name and version.
- Add the mx-module-ctl utility with wireless module power on/off status query to replace the mx-mod-ctl utility.
- Updates the cell\_mgmt utility to support the Telit LE910C1-NF cellular module.
- Upgrades tpm2-tools to version 3.1.3-2.

## Enhancements

- Replaces the TI USB 3410 driver with the Moxa UPort driver to improve transmission stability.
- Disables the WL1837 Wi-Fi module ELP mode by default to improve connection stability.

## Bugs Fixed

N/A

## Changes

- SD and USB card is no longer auto-mounted to increase device security.
- Removes mx-frm-upgrade, mx-frm-downgrade, and mx-overlay commands.
- Adds the can-utils and bridge-utils utilities.
- Merges uc3100-moxa-configs and uc3100-moxa-firmware packages into the uc3100-base-system package.
- Changes kernel name to 4.4.0-cip-rt-am335x.

## Notes

N/A



<b>Version: v1.1</b>	<b>Build: N/A</b>
<b>Release Date: Nov 05, 2018</b>	

### **Applicable Products**

UC-3100 Series

### **Supported Operating Systems**

Moxa Industrial Linux (Debian 9)

### **New Features**

- Enables cellular module's 'disable thermal shutdown' feature by default.
- Runs fsck when the system is booting up.
- Adds the moxa-init self-upgrade feature.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **Changes**

- The UART driver ti\_usb\_3410 is not preinstalled and needs to be installed manually.
- Includes a platform initialization service before the auto-mountd.service.

### **Notes**

N/A