# OS image for UC-2100 Series Release Notes

| Version: v1.13 | Build: 221214_131500 |
|---|---|
| Release Date: Mar 06, 2023 | |

## Applicable Products

UC-2100 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/.

| Version: v1.11 | Build: 220217_034027 |
|---|---|
| Release Date: May 04, 2022 | |

## Applicable Products

UC-2100 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.

## 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.

## Bugs Fixed

• UC-2100 Series: 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/

| Version: v1.9 | Build: Build_210331_042437 |
|---|---|
| Release Date: May 03, 2021 | |

## Applicable Products

UC-2100 Series

## Supported Operating Systems

Moxa Industrial Linux (Debian 9)

## New Features

• Built-in MXIO library for faster application development for ioLogik E1200 Series IOs.

## Enhancements

• Includes Debian security update 20210221.

## Bugs Fixed

• Need to tune the module initialization sequence on UC-2114-T-LX and UC-2116-T-LX to enhance compatibility to old LTE module (firmware revisions prior to L0.0.00.00.05.08).
• Clean up redundant module id file created when an unexpected power suspension occurs on the UC-2114-T-LX and UC-2116-T-LX.

## Changes

• Bumps the 'moxa-cellular-utils' minimum required version to 2.10.17.

## Notes

N/A

| Version: v1.8 | Build: 210225_113840 |
|---|---|
| **Release Date: Mar 12, 2021** | |

## Applicable Products

UC-2100 Series

## Supported Operating Systems

Moxa Industrial Linux 1 (Debian 9)

## New Features

N/A

## Enhancements

• Updates Debian security to 20210221.

## Bugs Fixed

• UC-2114-T-LX, UC-2116-T-LX: Compatibility issues with old wireless module (firmware version L0.0.00.00.05.08 and prior). The module initial sequence on these models was tuned to enhance compatibility.
• UC-2114-T-LX, UC-2116-T-LX: Redundant module ID file created when power is suspended needs to be cleaned up.

## Changes

• Increases the 'moxa-cellular-utils' minimum required version to 2.10.17.

## Notes

N/A

| Version: v1.7 | Build: Build_20120315 |
|---|---|
| Release Date: Jan 22, 2021 | |

## Applicable Products

UC-2100 Series

## Supported Operating Systems

Moxa Industrial Linux (Debian 9)

## New Features

- Supports Sierra Wireless Telit LE910C1-EU.
- Supports Sierra Wireless Telit LE910C1-AP.
- Supports Moxa MXview tool.

## Enhancements

- Upgrades kernel version to CIP 4.4.190.
- Upgrades Debian to version 9.13.
- Updates moxaburn to version 20081811.

## Bugs Fixed

N/A

## Changes

- Replaces mx-mod-ctl command with mx-module-ctl in the initial script of the platform.
- Replaces the uc2100-moxa-configs package with uc2100-base-system.
- Replaces uc2100-sparklan-firmware package with sparklan-qca9377-driver-4.4.0-cip-am335x.
- Uses mx-module-ctl to control the power module in the initial script of the platform.
- The minimum version requirement for moxa-cellular-utils is now 2.10.12.
- The minimum version requirement for moxa-module-contrl is now 1.6.0.
- The minimum version requirement for the moxa-snmpd-support-package is now 1.1.1.
- The minimum version requirement for moxa-wifi-utils is now 1.8.6.
- The minimum version requirement for tpm2-tools is now 4.1.1-1-moxa1.
- Removes the auto-mount function.
- Uses modules-load.d to probe the crypto kernel module.
- Uses udev to configure the CAN bus link.
- Uses udev to configure the initial GPS settings for UC-2116-T-LX.
- Modifies the matching rule 09-watchdog.rules.

## Notes

- The NBIOT PPP connection works only with IPv4.

| Version: v1.6 | Build: Build_20042110 |
|---|---|
| Release Date: Jun 05, 2020 | |

## Applicable Products

UC-2100-W Series, UC-2100 Series

## Supported Operating Systems

Moxa Industrial Linux (Debian 9)

## New Features

N/A

## Enhancements

• Updated the serial driver for better production stability.

## Bugs Fixed

N/A

## Changes

N/A

## Notes

N/A

| Version: v1.4 | Build: Build 19020110 |
|---|---|
| Release Date: Feb 01, 2019 | |

## Applicable Products

UC-2100 Series

## Supported Operating Systems

Moxa Industrial Linux (Debian 9)

## New Features

• Supports the carrier switch function on the NB-IOT module (UC-2114-T-LX, UC-2116-T-LX).
• Adds the ntpdate and rsync commands.

## Enhancements

N/A

## Bugs Fixed

• Wireless module does not respond to an AT command.

## Changes

• Upgrades moxa-cellular-utils and moxa-mux-tools commands.
• Removes the moxa-rclocal command.
• Renames the kernel version from 4.4.0-cip-uc2100 to 4.4.0-cip.

## Notes

N/A

| Version: v1.2 | Build: 18051610 |
|---|---|
| **Release Date:** Nov 27, 2018 | |

## Applicable Products

UC-2102-LX, UC-2111-LX, UC-2104-LX, UC-2112-LX, UC-2112-T-LX, UC-2101-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