OS Image for UC-5100 Series Release Notes

Version: v1.6	Build: 24031816
Release Date: Mar 18, 2024	

Applicable Products

UC-5100 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.

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

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: v1.5	Build: 221214_110613
Release Date: Mar 06, 2023	

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/.

Version: v1.4	Build: 220301_223109
Release Date: May 05, 2022	

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/

Version: v1.3	Build: 20111910
Release Date: Jan 25, 2021	

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 signald start mechanism to fix an issue where signald sometimes didn't start.

Bugs Fixed

• Wi-Fi and cellular signald 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

Version: v1.2	Build: Build 19070818
Release Date: Jul 08, 2019	

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-frm-upgrade, mx-frm-downgrade, and mx-overlay commands.

Notes

N/A

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

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