OS Image for UC-8200 Series (MIL1) Release Notes

Version: v1.7	Build: 24032015
Release Date: Mar 20, 2024	

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/

Version: v1.6	Build: 221124_134630
Release Date: Mar 06, 2023	

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/.

Version: v1.5	Build: 220401_030638
Release Date: May 05, 2022	

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/

Version: v1.3	Build: 20072413
Release Date: Nov 26, 2020	

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

Version: v1.2	Build: 20060314
Release Date: Jul 16, 2020	

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

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

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