OS Image for UC-8100A-ME-T Series Release Notes

Version: v1.8	Build: 24032209
Release Date: Mar 22, 2024	

Applicable Products

UC-8100A-ME-T 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: v1.7	Build: 221207_100427
Release Date: Mar 06, 2023	

Applicable Products

UC-8100A-ME-T 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: v1.6	Build: 220302_025847
Release Date: May 05, 2022	

Applicable Products

UC-8100A-ME-T 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

• Removes the deprecated 'mx-security' utility

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: N/A
Release Date: Oct 20, 2020	

Applicable Products

UC-8100A-ME-T Series

Supported Operating Systems

Moxa Industrial Linux (Debian 9)

New Features

N/A

Enhancements

• Upgrades the tpm2-tools to version 3.1.3-2.

• Now includes header files of all Moxa Libraries and kernel.

Bugs Fixed

• The cellular signal process initialization mechanism (signald) has been enhanced to fix an issue where the signal LED was not lighting up in some circumstances.

Changes

• Updated kernel version from 4.4.75 to 4.4.190.

• OS updated from Debian 9: 9.3 to 9.12. For details, visit https://www.debian.org/News/2020/2020020802.

Notes

N/A

Version: v1.3	Build: N/A
Release Date: Nov 13, 2019	

Applicable Products

UC-8112A-ME-T-LX, UC-8112A-ME-T-LX-US, UC-8112A-ME-T-LX-EU, UC-8112A-ME-T-LX-AP

Supported Operating Systems

Moxa Industrial Linux (Debian 9)

New Features

N/A

Enhancements

• Changed the default mode from router to bridge mode so that users can still access the devices connected to UC-8112A while using a public IP SIM card.
• Changed the default mode from RNDIS to ECM because throughput under the RNDIS mode is limited.
• The signal representation in moxa-cellular-utils now uses a level indicator, which ranges from 0 (no signal) to 5 (excellent).
• Preinstalls Moxa Platform Libraries (GPIO, buzzer, UART, LED, and push button) and headers.

Bugs Fixed

• An issue with the buzzer API in the Moxa Platform Libraries.
• Adds the moxa-wifi-signald package to fix an issue where the Wi-Fi signal strength LED does not light up properly.
• Interoperability issues between ThingsPro and moxa-cellular-utils.
• Verizon compatibility issues in moxa-cellular-utils.
• A default route setting issue in moxa-cellular-utils.
• Incorrect service name used by moxa-ublox-config-utils.
• Status display issue in the cell_mgmt status command for the Ublox Toby Series LTE modules.

Changes

N/A

Notes

N/A

Version: v1.0	Build: N/A
Release Date: Apr 30, 2019	

Applicable Products

N/A

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