Product Change Notification—PCN# **PCN000894**

May 1, 2022

Dear Valued Customer,

We would like to inform you that Moxa is going to make changes to Moxa Industrial Linux for the Moxa Arm-based computer. These changes will be implemented May 1, 2022.

Please review the details below to determine how these changes will affect your products and/or operations.

What are the changes to Moxa Industrial Linux 1.1.0?

New Features

- Adds the **moxa-auto-mountd** package for configuring auto-mounting of USB devices and SD card (All series except UC-8100-ME-T, which already has this feature).
- 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 (All series except UC-2100/2100-W, which already has this feature).

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.
- UC-8100-ME-T, UC-8100A-ME-T and UC-8200 now synchronize with the rest of the UC series to increase the signal strength refresh interval to 60 seconds to improve performance.
- Upgraded **tpm2-tools** from 3.1.3-2 to 4.1.1-1 on the UC-5100, UC-8100A-ME-T and UC-8200 (Note: The UC-3100 Series already has 'tpm2-tools' v4.1.1-1)
- The **Type** parameter of **wifi_mgmt** utility is no longer case sensitive (Only the UC-8100A-ME-T and UC-8200 as they use an older version of the utility)

Bug 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

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Telit LE910 (UC-2100, UC-5100, UC-8100, UC-8410A, and UC-3100 Series)

- Stopping the **moxa-auto-mountd** service did not unmount all target devices (UC-8100-ME-T Series only)
- An issue with the **systemd** service file path (UC-8100-ME-T Series only)
- An issue with the UART port number (UC-8100-ME-T Series only)
- Duplicated SSIDs in the managed AP list of the **wifi_mgmt** utility (Only UC-8100A-ME-T and UC-8200 as they use an older version of the utility)
- UC-3111 and UC-3121: An issue where a system reboot triggered by the watchdog might have resulted in kernel panic

Changes

- Removed deprecated 'mx-security' utility on the UC-8100A-ME-T Series

Moxa Industrial Linux (MIL) document center is now online where you can find a detail list of changes for MIL on each UC Series, including package added, upgrades, removed and security patches applied.

https://docs.moxa.online/mil/

Which products will be affected?

Product Name	Current OS Image Version	New OS Image Version
UC-2100 / UC-2100-W Series	v1.10	v1.11
UC-3100 Series	v1.4	v1.5
UC-5100 Series	v1.3	v1.4
UC-8100 Series	v3.4	v3.5
UC-8100-ME-T Series	v3.0	v3.1
UC-8100A-ME-T Series	v1.5	v1.6
UC-8200 Series	v1.3	v1.5
UC-8410A (deb9) Series	v.4.0.2	v.4.1.2

When will the new versions be available?

Moxa Industrial Linux 1.1.0 is available now. You can update your UC Series above using the methods below:

- OTA update from APT software repositories.   For instructions, please refer to How to Keep Moxa IIoT Gateway Software Up-to-date
- Download and install OS image binary from Moxa Arm-based computer product website

If you have any questions, please contact George Hsiao (georgey.hsiao@moxa.com), or contact your regional sales representative.