

Product Change Notification—PCN# PCN000 001118**Aug 27, 2025**

Dear Valued Customer,

We would like to inform you that Moxa is going to make changes to the UC-8200 Series. These changes will be implemented by Apr 24, 2025. Please review the details below to determine how these changes will affect your products and/or operations.

What will change?**Hardware**

The cellular module of the UC-8220-T-LX-AP-S the Telit LE910C4-AP will be replaced with Telit LE910C4-WWXD.

Software**Moxa Industrial Linux 1 (Debian 9)**

Enhancements:

- Updates cellular management utility (cell_mgmt) to support Telit LE910C4-WWXD.

Moxa Industrial Linux 3 (Debian 11)

- Moxa Industrial Linux 3 (Debian 11) Upgrade from v3.1 to v3.3

New Features:

- Supports encryption of external disk partitions such as a USB drive and SD card.
- Supports Telit LE910C4-WWXD module for Asia-Pacific models.
- Moxa Computer Interface Manager (MCIM) tool
 - Supports enable/disable of peripheral interfaces (Ethernet, console port, and serial port).
 - Supports I/O status settings (U-boot version 3.2 or higher required).
- Moxa Connection Manager (MCM) tool:
 - Supports Auto APN (automatically enabled when the APN field is left blank).
 - Supports automatic time synchronization with an NTP server, GPS location, or cellular base station.
 - Adds support for the “WiFi-p2p” interface, allowing peer-to-peer Wi-Fi connections for direct device access without requiring an access point—useful for remote debugging in the field.
- Supports automatic switching between cellular and Wi-Fi networks based on signal strength.
- Allows locking the cellular connection exclusively to 3G or 4G.
- Moxa Software Updater (MSU) tool
 - Simplifies online and offline MIL updates. For details, refer to

Moxa Industrial Linux 3.x (Debian 11) Arm-based Computers Manual (with Security Hardening Guide).

Enhancements

- Includes the latest security patches.
- Moxa Connection Manager (MCM) tool:
 - Supports IPv6 addressing on LAN1 when the interface type changes from “managed” to “none”.
 - Monitors GPSD to prevent unexpected GPS port changes from impacting GPS functionality.
 - Adds SIM activation support to improve SIM registration success rates.
 - Built-in driver support for Moxa UPort-G2 Series devices to enable serial port expansion.
- Moxa System Manager (MSM) tool:
 - Supports compression to reduce backup file size.
 - Supports creating snapshots, replicas, and backups in cold mode that ensures data integrity.

Bug Fixes

- LAN1 sometimes fails to obtain IPv4 and IPv6 addresses when Type is set to "none" in Moxa Connection Manager (MCM).
- Cellular data usage is sometimes displayed as zero in MCM.
- Manually (via CLI) turning off power to the cellular module will restart MCM.

Which products will be affected?

Product Name	HW Rev. (Current)	HW Rev. (New)	MIL1 Version (Current)	MIL1 Version (New)
UC-8210-T-LX-S	2.1.0	2.1.1	V1.7	V1.8
UC-8220-T-LX	2.1.0	2.1.1	V1.7	V1.8
UC-8220-T-LX-AP-S	2.1.0	2.1.1	V1.7	V1.8
UC-8220-T-LX-EU-S	2.1.0	2.1.1	V1.7	V1.8
UC-8220-T-LX-US-S	2.1.0	2.1.1	V1.7	V1.8

Product Name	HW Rev. (Current)	HW Rev. (New)	MIL3 Version (Current)	MIL3 Version (New)
UC-8200 (CTO)	V2.1.0	V2.1.1	V1.2	V1.3

Note:

1. HW Rev. is the revision number printed on the product sticker of a Moxa Arm-based computer
2. The MIL1/3 version can be queried using the **mx-ver** command.
3. Updates to Moxa Industrial Linux may affect software on your computer.

We strongly recommend testing compatibility with the software before applying the updates.

When will the new versions be available?

The updated versions of the UC-8200 Series will be available for order starting from April 24, 2025.

Orders placed on or after this date will automatically include the new enhancements.

If you have any questions, please contact sarach.chen@moxa.com, or contact your regional sales representative.