

Product Change Notification—PCN# **PCN001069**

September 5, 2024

Dear Valued Customer,

We would like to inform you that Moxa is going to make changes to Moxa Industrial Linux 3 of the UC-8200 Series. These changes will be implemented on September 10, 2024. Please review the details below to determine how these changes will affect your products and/or operations.

What will change?Operating System

Moxa Industrial Linux 3 (Debian 11) Upgrade:

1. Updated MIL version from 3.1.1 to 3.1.2
2. Applied a security patch for CVE-2024-1086
3. Fixed an issue where /boot_device/p2 and /var/log failed to unmount properly during device shutdown.
4. An important enhancement has been added in response to a change made in MIL 3.1.1 (MIL 3 image v1.1), dated May 10, 2024. The enhancement has successfully reduced the extended shutdown time by 25 seconds.

Specific Change in MIL 3.1.1 (image v1.1) :

- The following statement was included in the MIL 3.1.1(image v1.1) release notes and is provided here for reference:

“Adjust the power sequence for the Telit LE910C4 modem to address a rare issue where the modem could enter protected mode due to excessively rapid shutdowns. This change will extend the shutdown time for the UC-8200 series devices with built-in cellular connectivity (UC-8220-T-LX-EU, UC-8220-T-LX-US, UC-8220-T-LX-AP) by 25s. If a shorter shutdown time is critical for your application, you may want to refrain from applying this update. We are collaborating with Telit to develop a faster power sequence that will reduce device shutdown times in the upcoming release.”

Which products should apply this change?

	Product Revision	MIL Version (current)	MIL Version (new)
Product Name	v2.1.0	v3.1.1 (Image v1.1) v3.0.0 (Image v1.0)	v3.1.2 (Image v1.2)
UC-8210-T-LX-S (CTO)			
UC-8220-T-LX (CTO)			
UC-8220-T-LX-AP-S (CTO)			
UC-8220-T-LX-US-S (CTO)			
UC-8220-T-LX-EU-S (CTO)			
UC-8200 (CTO)			

Note:

1. Product Revision is the Rev. number printed on the sticker of a Moxa Arm-based computer
2. The MIL Version can be queried using the command **mx-ver -M**.
3. The Image Version can be queried using the command **mx-ver -v**.
4. After a successful update, the MIL version should be v3.1.2, and the Image version should be v1.2.
5. The update to Moxa Industrial Linux may affect your software. We strongly recommend testing compatibility with your software before applying the update

When will the new versions be available?

1. Moxa Industrial Linux 3.1.2 is available to download now. Update your UC-8200 with Moxa Industrial Linux 3.x.x to 3.1.2 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](#). Make sure to reboot the device after the update.
 - Download and install OS image binary from the [UC-8200 Series product website](#)
2. Order UC-8200 Series computers with Moxa Industrial Linux 3.1.2 pre-installed via **Configure to Order Service (CTOS)** by choosing the model name **UC-8200 (CTO)**

	Product Revision	MIL Version	Bootloader Version
Product Name	v2.1.0	v3.1.2 (Image v1.2)	v3.1
UC-8200 (CTO)			

Risk of not applying this update

1. This update provides an enhancement to the shutdown process of your device. If maintaining a fast and efficient shutdown time is critical for your application, it is highly recommended that you apply this update to ensure optimal performance and to avoid potential issues that may arise from slower shutdown times.

If you have any questions, please contact Michelle YL Li at michelleyl.li@moxa.com, or contact your regional sales representative.