



Firmware for UC-3100 Series Release Notes

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| Version: v1.3 | Build: 20102720 |
| Release Date: Apr 16, 2021 | |

Applicable Products

UC-3100 Series

Supported Operating Systems

N/A

New Features

- Supports Telit LE910C1-EU and LE910C1-AP cellular modules.
- Updates the mx-module-ctl tool to support the `get sim card slot` function.

Enhancements

- Upgrades the root file system to Debian 9.13.

Bugs Fixed

- Wrong status from qmi wds when the signal is weak and the status is “detached”.
- First qmi command timeout issue on the Telit cellular module.
- Upgrades the root file system packages to fix CVEs.

Changes

N/A

Notes

N/A



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| Version: v1.2 | Build: 20040710 |
| Release Date: Nov 06, 2020 | |

Applicable Products

UC-3100 Series

Supported Operating Systems

Moxa Industrial Linux (Debian 9)

New Features

- Kernel version upgraded from CIP Linux 4.4.75 to 4.4.190.
- OS updated from Debian 9 version 9.3 to 9.11. For details, visit <https://www.debian.org/News/2019/20190908>.
- Adds the mx-power-mgmt utility for managing power consumption.
- Includes multi-GNSS (GPS, GLONASS, BeiDou, Galileo, and QZSS) support.
- Bluetooth 4.2 compliant.
- Adds the mx-ver utility for retrieving device model name and version.
- Add the mx-module-ctl utility with wireless module power on/off status query to replace the mx-mod-ctl utility.
- Updates the cell_mgmt utility to support the Telit LE910C1-NF cellular module.
- Upgrades tpm2-tools to version 3.1.3-2.

Enhancements

- Replaces the TI USB 3410 driver with the Moxa UPort driver to improve transmission stability.
- Disables the WL1837 Wi-Fi module ELP mode by default to improve connection stability.

Bugs Fixed

N/A

Changes

- SD and USB card is no longer auto-mounted to increase device security.
- Removes mx-frm-upgrade, mx-frm-downgrade, and mx-overlay commands.
- Adds the can-utils and bridge-utils utilities.
- Merges uc3100-moxa-configs and uc3100-moxa-firmware packages into the uc3100-base-system package.
- Changes kernel name to 4.4.0-cip-rt-am335x.

Notes

N/A



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| Version: v1.1 | Build: N/A |
| Release Date: Nov 05, 2018 | |

Applicable Products

UC-3100 Series

Supported Operating Systems

Moxa Industrial Linux (Debian 9)

New Features

- Enables cellular module's 'disable thermal shutdown' feature by default.
- Runs fsck when the system is booting up.
- Adds the moxa-init self-upgrade feature.

Enhancements

N/A

Bugs Fixed

N/A

Changes

- The UART driver ti_usb_3410 is not preinstalled and needs to be installed manually.
- Includes a platform initialization service before the auto-mountd.service.

Notes

N/A