



OS Image for UC-8100-ME-T Series (MIL v1.4) Release Notes

Version: v3.4	Build: 250430_120933
Release Date: Aug 20, 2025	

Applicable Products

UC-8100-ME-T Series

Supported Operating Systems

Moxa Industrial Linux 1 (Debian 9)

New Features

N/A

Enhancements

- Includes the latest security patches.
- EN 18031-1 RED cybersecurity compliance.
For devices upgraded from previous firmware versions, Moxa Industrial Linux (MIL) will retain the original settings but provides the "mx-red-migrate" tool to ensure compliance with RED EN 18031-1 requirements. The tool implements the following changes:
 - Adds the password quality configure file.
 - Modifies the SSH configuration.
 - Adds fail2ban support.
 - Enforces a password change on first login.
 - Regenerates the SSH key on first login.
 - Adopts the pam_tally2 mechanism.

For details about the tool, see MIL1 manual at: <https://www.moxa.com/en/products/industrial-computing/system-software/moxa-industrial-linux#resources>

- Uses HTTPS communication for Debian source in /etc/apt/sources.list.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v3.3	Build: 24031914
Release Date: Mar 19, 2024	

Applicable Products

UC-8100-ME-T Series

Supported Operating Systems

Moxa Industrial Linux 1 (Debian 9)

New Features

N/A

Enhancements

- Includes the latest security patches.

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: v3.2	Build: 221214_102742
Release Date: Mar 06, 2023	

Applicable Products

UC-8100-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: v3.1	Build: 220217_045601
Release Date: May 05, 2022	

Applicable Products

UC-8100-ME-T Series

Supported Operating Systems

Moxa Industrial Linux (Debian 9)

New Features

- 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.

Bugs Fixed

- Stopping the moxa-auto-mountd service does not unmount all target devices.
- An issue with the systemd service file path.
- An issue with the UART port number.

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: v3.0	Build: N/A
Release Date: Nov 26, 2018	

Applicable Products

UC-8100-ME-T Series

Supported Operating Systems

Moxa Industrial Linux (Debian 9)

New Features

- Includes a file system check mechanism (fsck) in the bootloader.

Enhancements

- Upgraded the root file system from Debian 8 to Debian 9. For more information on the Debian packages included, visit: <https://www.debian.org/distrib/packages.en.html>
- Upgraded the Linux kernel from version 4.1.36 to 4.4. For additional information, visit: <https://www.kernel.org/pub/linux/kernel/v4.x/>

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v2.2	Build: Build 18010313
Release Date: May 23, 2018	

Applicable Products

UC-8100-ME-T Series

Supported Operating Systems

Debian 8.x

New Features

- TPM 2.0 driver for the TPM 2.0 module.

Enhancements

- Upgraded the root file system from Debian7 to Debian8. For more details, visit:
<https://www.debian.org/distrib/packages.en.html>
- Upgraded Linux kernel from 3.7 to 4.1. For more detail, visit:
<https://www.kernel.org/pub/linux/kernel/v4.x/>

Bugs Fixed

N/A

Changes

- Updated moxa-cellular-utils to v1.18.0.

Notes

N/A



Version: v2.1	Build: Build 17041918
Release Date: N/A	

Applicable Products

UC-8100-ME-T Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

N/A

Changes

- Updated moxa-cellular-utils to v1.19.0
- Move mx_led_control tool from /bin folder to /sbin folder.
- Modified usb host driver to support “usb port control” feature by bootloader setting.
- Fixed omap-sham warning message.
- Updated setdef package version to v2.1.0

Notes

N/A



Version: v2.0	Build: Build 17032117
Release Date: N/A	

Applicable Products

UC-8100-ME-T Series

Supported Operating Systems

N/A

New Features

- Supported MC7455 Cellular Module.

Enhancements

N/A

Bugs Fixed

Fixed CVE Issues:

CVE-2016-4482
CVE-2016-4486
CVE-2016-4805
CVE-2016-3138
CVE-2016-2550
CVE-2016-2847
CVE-2016-3134
CVE-2016-3156
CVE-2016-0723
CVE-2016-0821
CVE-2016-5696
CVE-2016-7117
CVE-2016-6828

Changes

- Upgraded root file system from debian7 to debian8.

For more package info, please refer to following link:

<https://www.debian.org/distrib/packages.en.html>

- Upgraded Linux kernel from 4.1.13 to 4.1.36.

For more detail info, please refer to following link:

<https://www.kernel.org/pub/linux/kernel/v4.x/>

- Updated moxa-cellualr-utils, uc8100me-system, uc8100me-sysconfig, uc8100me-syskernel packages.

Notes

N/A



Version: v1.1	Build: Build 17012114
Release Date: N/A	

Applicable Products

UC-8100-ME-T Series

Supported Operating Systems

N/A

New Features

Support MC7455

Enhancements

N/A

Bugs Fixed

- Fixed MC7354 "switch_carrier" issue.
- Fixed RTC clear WDT status Issue.
- Use watchdog to reboot system.

Changes

- Update kversion v1.0.6
- Support MC7354 LTE module
- Update moxa-cellular-utils to v1.8
- kversion
- qmi_wwan (support raw ip)
- libqmi 1.10 => 1.14
- ds1374 watchdog & rtc driver

Notes

N/A



Version: v1.0	Build: Build 16030911
Release Date: N/A	

Applicable Products

UC-8100-ME-T Series

Supported Operating Systems

N/A

New Features

- First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A