



Firmware for AIG-302 Series Release Notes

Version: v1.2.0	Build: 8686
Release Date: Nov 03, 2025	

Applicable Products

AIG-302 Series

Supported Operating Systems

Moxa Industrial Linux 3 (Debian 11)

New Features

N/A

Enhancements

- Redefines the upgrade rules starting with firmware v1.1.x to improve compatibility.
The firmware version format will consist of three digits: x.y.z.
 - x: Major version; fundamental changes
 - y: Minor version; new or modified functions, bug fixes, and security patches
Upgrade rule: Allowed only when upgrading from y? y+1 with z reset to (z=0).
E.g., v2.0.3 > v2.1.0
 - z: Patch version; Only bug fixes and security patches
Upgrade rule: Patch versions can be skipped during upgrades.
E.g., v1.0.1 ? v1.0.5
NOTE: Previously, firmware v1.0.x could only be upgraded to the latest firmware version.

Bugs Fixed

- Fixed an issue where upgrading from firmware version v1.0.x to v1.1.x via DLM Service or the web GUI (Maintenance > Software Upgrades > Check for Upgrades) failed.

Changes

- Refactored the OTA (over-the-air) upgrade behavior to use a pre-defined package list with specific package versions instead of upgrading all packages to the latest versions from the Debian source lists.
- Changes the package name from moxa-aig-302-tpe to moxa-aig302-tpe to align with the new upgrade rule. Also adds APT pinning to:
 - moxa-connection-manager (=1.5.21-1+deb11)
 - moxa-aig302-tpe (<=1.3.0).

Notes

- This v1.2.0 upgrade package is intended only as a transition release for AIG-302 devices running v1.0.x and v1.1.x firmware to adopt the new upgrade mechanism. Enhancements introduced in v1.1.x are not included.
All subsequent upgrades will follow the versioning and upgrade rules described in the Enhancements section above.
- To ensure your system remains current and fully supported, you **MUST** continue upgrading to v1.3.0 after installing v1.2.0. Staying on v1.2.0 is not recommended.
- When upgrading the AIG-302 from v1.0.x, make sure the device is offline during the web GUI upgrade. Otherwise, the MCM upgrade may temporarily interrupt the network, causing Debian-dependent packages to fail to download and leading to an upgrade failure.
- The upgrade may take up to 10 minutes.