



Firmware for AIG-302 Series Release Notes

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| Version: v1.4.0 | Build: 351 |
| Release Date: May 08, 2026 | |

Applicable Products

AIG-302 Series

Supported Operating Systems

Moxa Industrial Linux 3 (Debian 11)

New Features

- Supports AWS IoT Core.
- Supports Sparkplug B v2.2.
- Supports software-based Wi-Fi AP.

NOTE: The software Wi-Fi AP supports up to three clients with frequency 2.4 GHz frequency. We recommend using this only for troubleshooting purposes and not for critical data transmission or essential functions.

Enhancements

- Compliance with IEC 62443-4-2 Security Level 2 requirements.
- Upgrades Azure IoT Edge to v1.5.21 LTS.
- Upgrades Azure IoT Device SDK to LTS_03_2025.
- Upgrades grpc version to v1.69.2.
- Improves the consistency of telemetry message transmission in Azure IoT Edge by monitoring the status of edgeHub, edgeAgent, and thingspro-agent.
- Adds an ICMP setting in Firewall rules.
- Supports specifying cellular APN username and password.
- Supports backoff mechanism to synchronize Audit logs to Moxa DLM Service.
- Supports uploading Audit logs and System logs to Azure Blob via direct methods by providing connectionString and containerName in the Payload.
 - ?a. Direct method for uploading Audit logs: upload-audit-logs
 - ?b. Direct method for uploading system logs: upload-system-logs

Bugs Fixed

- A OpenVPN profile is not deleted after replacement.
- The DHCP Server was not working properly after a reboot.
- The values of int64 and uint64 is not accurately written to the Modbus slave device via Tag Management.
- A Logic Engine rule cannot be deleted if its tags are used in other rules.
- LAN-connected devices cannot access the Internet via the AIG-302's cellular connection through NAT.
- DNS information not properly assigned to LAN-connected devices by the AIG-302's DHCP server.
- Error code 414 is displayed in the Message Group when the total length of tag names was too long to be processed.
- A Root CA certificate is not properly deleted after it is removed from the Certificate Center.
- Missing Wi-Fi properties in Azure IoT Device/ Azure IoT Edge.

Changes

- Refines the data logger output format for export,
- Changes the default web console idle timeout to 15 minutes.
- Supports input of slope and offset values with up to one decimal place in the scaling function.



- External storage partitions with the NTFS file system are mounted with “read-only” access by default.

Notes

- **Known Issues:**
 - ?a. The last activity time is displayed incorrectly for Logic Engine Message Group and Tag Dashboard when there is no record of prior activity.
 - ?b. The user sessions used by the AIG QuickON tool to provision the AIG were not released prior to session timeout (15-minute interval until session timeout), resulting in accumulation of sessions and the maximum number of sessions per user threshold reached.
- Use AIG QuickON version v1.2.1 or later for AWS IoT Core configuration support.
- The v1.4.0 upgrade pack is only applicable to firmware v1.3.0 and higher.



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| Version: v1.3.0 | Build: 8685 |
| Release Date: Nov 03, 2025 | |

Applicable Products

AIG-302 Series

Supported Operating Systems

Moxa Industrial Linux 3 (Debian 11)

New Features

N/A

Enhancements

- When the cellular connection experiences an unexpected disconnection, the AIG-302 will perform three software resets followed by three hardware resets. If these actions are ineffective, the system will trigger a reboot.

Note: If the cellular module is unresponsive during the boot-up process, the inspection will be suspended to prevent continuous rebooting.

- EN 18031-1 RED cybersecurity compliance.
- Upgrades nginx version to 1.26.3-2

Bugs Fixed

- Some provisioning settings for the Azure IoT Edge are not updated correctly after importing a configuration file.
- A case of incorrect I/O tags created by the TagHub or Modbus Server.
- A failure to map coil/discrete tags from the Modbus Server.
- The GPS configuration option "Automatically adjust coordinates for GPS changes" is not applied.
- CVE-2024-24557, CVE-2023-44487, CVE-2024-21626, and BDSA-2024-5.

Changes

- All packages from the Moxa repository are now hidden in the Software Upgrade patch. To upgrade a specific Moxa package, use the RESTful API to specify the package name and version.

Notes

- Moxa Acquires EN 18031 EU RED Cybersecurity Certificates for Wireless Product Portfolio, <https://www.moxa.com/en/about-us/news-events/news/2025/moxa-achieves-en-18031-eu-red-security-compliance>

- Known Issues:

?a. Hot swapping of SIM cards is not supported. Reboot the device after replacing the SIMs for the changes to take effect.

?b. The HTTP Service status in the DLM Service Status is shown as "disabled" when "Redirect HTTP to HTTPS" is enabled on the Home > Security > HTTPS page.

?c. When the optional Wi-Fi module is installed, flashing the firmware image via the USB device is not possible. We strongly recommend using upgrade pack to update the AIG-302.

- The upgrade package is approximately 200 MB, and the process may take up to 10 minutes.