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IONMM Release Notes
Date: October 7, 2026
Version: v1.5.24

Overview
This release note covers the requirements, important notes, new features and changes, addressed issues and known limitations for the IONMM product family.

Access to the management data from the IONMM products is available using a web browser or the Command Line Interface (CLI) via telnet, ssh and serial. Management is also available via SNMP.

Requirements:
Firmware 1.5.24 and these release notes apply to the following products:

- IONMM
- IONMM-232

IMPORTANT UPGRADE INSTRUCTIONS WHEN STARTING FROM FIRMWARE 1.5.17 AND OLDER:

- **Install firmware v1.5.20**
- **Wait for IONMM to boot**
- **Re-boot the IONMM**
- **Install firmware v1.5.21 or higher (i.e., v1.5.21+)**
- **This process (and all subsequent upgrades) will automatically refresh NAND.**
- **Installing future releases of v1.5.21+ will refresh the NAND.**
- **If needed, once v1.5.21+ has been installed, user can downgrade to previous firmware versions. However, if running versions prior to v1.5.20, it is recommended to repeat refresh process (v1.5.20, reboot, v1.5.21+) at least once every 3 years to keep NAND refreshed. Ignoring the refresh process for too long will result in an IONMM that will not boot.**

New Features and Enhancements:
The following new features and enhancements are incorporated into firmware version 1.5.24 of the IONMM

- Updated dropbear ssh server to current version to address the post-quantum key exchange warning and multiple CVEs in previous firmware versions.
    - Addressed CVE-2023-48795 (The Terrapin Attack)
    - Addressed legacy ciphers (SHA-1, 3DES, and DBC have been fully disabled)

Known Limitations:

- After upgrading from version earlier than 1.5.0, new backups should be made.
- When power supply thresholds are crossed, trap messages will be sent but a syslog message is not.

Related Documentation:

- IONMM-232 ION Management Module Installation Guide (33725)
- ION Management Modules (IONMM and IONMM-232) User Guide (33457)
- ION System (IONMM, ION x323x NID) Command Line Interface (CLI) Reference (33461)

MIBs

- ION MIBs v1.5.24