Firmware for MDS-G4000 Series Release Notes

Version: v4.0	Build: N/A
Release Date: Sep 26, 2023	

Applicable Products

MDS-G4012 Series, MDS-G4020 Series, MDS-G4028 Series

Supported Operating Systems

N/A

New Features

• Added support for DHCP Relay Agent/Option 82.
• Added support for Media Redundancy Protocol (MRP).
• Added support for DHCP Snooping.
• Added support for IP Source Guard.
• Added support for Dynamic ARP Inspection.
• Added support for Fiber Check.
• Added support for RSPAN.
• Added support for EtherNet/IP.
• Added support for Modbus TCP.

Enhancements

• Improved the layout of the Daylight Saving settings for easier configuration. (Note: A one-time popup reminder will appear to check the Daylight Saving settings when logging in for the first time after upgrading to the v4.x firmware.)
• Added support for additional special characters for the User Account, Password, and Device Name fields.
• Added Power Management mode for PoE which allows users to choose Consumption mode with the Auto power cutting mechanism or Allocated Power mode based on application needs.
• Added MS-CHAPv2 authentication for RADIUS Server Login Authentication.
• Improved the DHCP Server UI page to be consistent with the system behavior. Users can only assign IP addresses within the range of the network domain of the management IP.

Bugs Fixed

• IGMP Multicast Group entries are unexpectedly deleted.
• When receiving an IGMP Leave request, the system will delete the IGMP Static Router Port.
• Specific SNMP OIDs may cause the system to be unable to complete the SNMP Walk application.
• Users are unable to delete NTP settings via the CLI.
• The existing certificate and digital signature key information are not deleted after performing a factory reset.
• When File Encryption and File Signature for configuration backup and restore are both enabled, users are unable to import the exported configuration.
• The PoE LED blinks red when connecting a non-PD device.
• Vulnerability issues: CVE-2022-1292, CVE-2022-0778, CVE-2022-2068.
• The Fault LED stays lit after the port has returned to a normal forwarding state.
• Inconsistent wording on the Turbo Chain Status and LLDP Settings web interface pages.
• Entries remain in the forwarding table after being deleted from the IGMP Snooping Group Table.
• The dynamic GVRP port does not show the correct status in the VLAN table when it is in the Permanent state
• If BPDU Guard is enabled and a BPDU is received on the edge port, the status is shown as "Blocking" instead of "Err-Disabled".

• The system does not show the "config conflict" state when a non-repeating PoE rule conflicts with a daily repeated rule.
• The VLAN table in the web interface may randomly turn blank.
• If users are logged out of the web interface due to idling, they are automatically kicked out by the system when trying to log in again.
• The wording of the protocol/interface and undersize packets statistics in the web interface is incorrect.
• Users are able to select more than 8 ports for the port channel configuration in the web interface.
• The LLDP web interface page generates an internal error when the remote system name contains specific symbols.
• The "no management vlan" CLI command does not work properly.
• Multicast recovery times for redundancy protocols are longer than intended.
• A memory leak occurs when the system sends "LLDP remote table change" event notifications.

Changes

• The PROFINET (0x8892), MRP (0x88E3) EtherType options for ACL rules have been removed for consistency with system behavior.

Notes

N/A

Version: v1.2	Build: N/A
Release Date: Aug 18, 2022	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

• [CVE-2021-33909]
• [CVE-2021-33910]

Changes

N/A

Notes

• Due to changes to the firmware upgrade functionality, the MDS-G4000 firmware v1.2 cannot be downgraded to v1.0.

Version: v1.1	Build: 2020_0924_0556
Release Date: Oct 26, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

• Added support for secure system diagnostics to provide remote technical support and troubleshooting. Please refer to the "Maintenance and Tool" section in the Command Line Interface User Manual for more details.

Enhancements

• Added support for non-PoE power modules, including the PWR-HV-NP and PWR-LV-NP

Bugs Fixed

• Restoring a system configuration backup which contains password information (including account login, SNMPv3) may sometimes fail.
• The GUI panel displays PoE LED indicators incorrectly.
• Incorrect spelling of some functions in the GUI.

Changes

• Replaced the firmware upgrade mechanism with an Openssl package to comply with the Open Source License agreement.

Notes

Note: MDS-G4000 firmware v1.1 cannot be downgraded to v1.0 due to changes to the firmware upgrade functionality.

Version: v1.0	Build: 2020_0416_2050.rom
Release Date: Jun 01, 2020	

Applicable Products
N/A

Supported Operating Systems
N/A

New Features
First release

Enhancements
N/A

Bugs Fixed
N/A

Changes
N/A

Notes
N/A