



## Firmware for MDS-G4000-4XGS Series Release Notes

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

### Applicable Products

MDS-G4012-4XGS Series, MDS-G4020-4XGS Series, MDS-G4028-4XGS 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.
- Added support for additional 1588 PTP power profiles: IEC 61850-9-3, C37.238-2017.

### Enhancements

- Improved the layout of the Daylight Saving settings for easier configuration. (Note: A one-time pop-up 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.
- Added the “Transmitting Synchronized”, “Receiving Synchronized”, and “Disabled” port states for Transparent Clock mode.

### 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.
- After configuring the PTP Max Steps Removed value, the system will incorrectly identify a device which exceeds the specified Max Steps Removed as the PTP Master.
- The 10G port does not recognize the installed 10G SFP module, causing the link to fail.
- A memory leak occurs when the system sends "LLDP remote table change" event notifications.

#### Changes

- The PROFINET (0x8892), MRP (0x88E3), PTP (0x88F7 and 0x88B5) EtherType options for ACL rules have been removed for consistency with system behavior.

#### Notes

N/A



<b>Version: v3.0</b>	<b>Build: N/A</b>
<b>Release Date: Aug 31, 2022</b>	

**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