Firmware for EDS-4000 and EDS-G4000 Series Release Notes

Version: v4.2	Build: N/A
Release Date: Mar 20, 2026	

Applicable Products

EDS-4008 Series, EDS-4009 Series, EDS-4012 Series, EDS-4014 Series, EDS-G4008 Series, EDS-G4012 Series, EDS-G4014 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Obtained EtherNet/IP certification.
• PROFINET Conformance Class B compliance.
• The switch now supports topology view for PROFINET configuration tools.

Bugs Fixed

• SNMP Traps are not sent when link state change events occur.
• PoE Interrupt Messages cause the CPU load to reach 100%.
• The system keeps generating PoE-related event logs even if PoE is disabled on the port.
• When the RSPAN topology has two source switches, mirrored traffic will loop between the source switches through the reflector ports.
• The system occassionally does not record logs when events occur.
• RSTP Node switches are not correctly synchronizing the Hello Time setting with the Root switch.
• Adding ports to a port channel via the CLI using multiple commands in a single prompt may cause an internal error.
• SNMP becomes unreachable under certain conditions.
• If the Syslog server is set up using the domain name instead of the IP address, the Syslog service stops working after restarting the device.
• The Auto Restore process will fail if the imported configuration filename is <last 6 digits of the MAC address>.ini.
• PTP packets are able to pass through blocking ports, causing a loop.
• The system incorrectly applies DSCP priority tags to all packets despite packet trust type.
• When removing and re-inserting an SFP module while the switch is rebooting, the SFP port will be in a link down state after rebooting.
• The ACL rule counter does not increase if a rule is matched.
• Changing the clock source from NTP to Local in the web interface causes an error.
• Users cannot import unencrypted configuration files for the configuration backup and restore functions.
• DHCP snooping does not correctly re-create the binding table after some entries time out and are released.
• Vulnerability issues: CVE-2023-48795, CVE-1999-0524, CVE-2023-38408, CVE-2002-20001.

Changes

• The CoS egress priority is now fully aligned with the ingress priority.
• The Admin account can no longer be deleted.
• Moved MRP settings to the dedicated MRP configuration module for PROFINET configuration tools.

Notes

N/A

Version: v4.1	Build: N/A
Release Date: Jun 26, 2024	

Applicable Products

EDS-4008 Series, EDS-4009 Series, EDS-4012 Series, EDS-4014 Series, EDS-G4008 Series, EDS-G4012 Series, EDS-G4014 Series

Supported Operating Systems

N/A

New Features

• N/A

Enhancements

• The LLDP function now shows information about the port connection medium (copper or fiber).
• The LLDP function now shows more detailed information about neighbor devices.
• Added support for periods (.) in the Device Name.
• Increased the maximum index size of the IGMP Snooping router port list.

Bugs Fixed

• Vulnerability issue: CVE-2024-1086.
• When importing from or exporting to an ABC-02, the device LEDs blink in an incorrect order.
• Looping may occur after performing a port shutdown on the Chain port of the Turbo Chain.
• The Tail port of the Turbo Chain will keep blocking traffic when the link to the Head port is down.
• The system displays an internal error when exporting resource logs.
• The output of the "show gmrp statistics" CLI command shows in an incorrect format.
• The MSTP port status shows incorrectly in the web interface due to an incorrect OID type.
• When importing an older configuration containing the "no lldp tlv-select basic-tlv sys-capab" command, the action would fail because the "sys-capability" command was made non-mandatory in the LLDP specification.
• The system displays an internal error when executing the "show event-notification switching" CLI command.
• When DHCP Server is enabled, DHCP Snooping will duplicate DHCP packets.

Changes

• N/A

Notes

• N/A

Version: v4.0	Build: N/A
Release Date: Apr 24, 2024	

Applicable Products

EDS-4008 Series, EDS-4009 Series, EDS-4012 Series, EDS-4014 Series, EDS-G4008 Series, EDS-G4012 Series, EDS-G4014 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 Fiber Check.
• Added support for RSPAN.
• Added support for EtherNet/IP.
• Added support for Modbus TCP.
• Added support for PROFINET IO.
• Added support for PTP IEEE-1588 and additional 1588 PTP power profiles: C37.238-2017, IEC-61850-9-3-2016

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 firmware v4.x.)
• 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.
• Improved the response time of the Ping function.
• Improved the redundant port shifting mechanism for Link Aggregation.
• Removed commas from the show event-notification command output to improve readability.
• Added a validator check for IP 0.0.0.0 to the web interface.
• Optimized the Link Health Check (LHC) mechanism for Turbo Ring.
• Aligned the ACL functionality between the RKS-G4000 Series v4.0 and the MDS-G4000 Series v4.0.

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-2003-0001, CVE-2019-20372, CVE-2022-1292, CVE-2022-0778, CVE-2022-2068, CVE-2023-38546
• 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.
- The system does not recognize Moxa SFP modules installed in the EDS-4008-2GT-2GS.
- Due to an incorrect maximum ACL rules calculation, some ACL rules do not work, even though the number of ACL rules created has not exceeded the maximum number of entries.
- Users are not able to enter a multicast IP address for ACL rules.
- The HELP command shows the incorrect ICMP type boundary value.
- Control frame transmissions may cause a memory leak.
- Pinging the switch will fail if the connecting port is set to VLAN trunk mode.
- Accessing the VLAN screen in the web interface causes an internal error.
- When enabling, disabling, and re-enabling LACP, the connection behaves abnormally.
- The switch generates duplicate ARP responses.
- The LHC RX counter always shows 0.
- The 100M fiber link on the EDS-G4012-4GS may fail after rebooting.
- Network Loop Protection does not work properly on the EDS-4008-2GTX-2GSFP.
- CPU usage reaches 100% when connecting via SSH.
- When a Link Aggregation port channel (trunk port) is set as a Turbo Chain port, the port state will show incorrectly.
- Logging in to the switch may fail when attempting to log in using TACACS+ with CHAP authentication.

- ARP Reply frames incorrectly contain a VLAN tag.
- The PoE port status CLI command shows incorrect information.
- The Port ID changes from the MAC address to if-name after the port link recovers from a link down.
- User are able to configure the IP address using the invalid format x.x or x.x.x.
- LLDP stores unsupported organization-defined TLVs in the database, causing unnecessary use of storage.
- The "dot1qTpFdbTable" information is partially cut off in SNMP.
- Users are unable to remove period-separated ([A-Za-z0-9]. [A-Za-z0-9])   usernames.
- Configuring a user-specified static multicast address via the CLI generates an internal error.
- Configuring QoS default priority on trunk ports causes a deadlock that prevents users from accessing the switch.
- Users are able to set the switch as both a DHCP server and client at the same time.
- The switch will reboot when disabling IGMP, or when receiving IGMP control frames.
- Switches do not send ARP requests after enabling IGMP.
- MMS connections may fail under certain conditions.
- EDS-(G)4000 Series bt   PoE models will stop recording event logs when the input voltage is below 46 V.
- The MSTP Trap OIDS is incorrect in SNMP.
- When Port Security is set to MAC Sticky mode, the system will reboot after learning a dynamic MAC address.
- Executing the "show event-notification general-event" command will log users out of the CLI.
- Entering the "show event-notification port-event" command in the CLI does not show all current port events.
- When updating the port mode, VLAN settings are not updated to related functions that use VLAN.
- The SNMP Engine ID does not return a response.
- Entering the "show running-config" command in the CLI is incorrectly recorded as a configuration export log.
- The system does not automatically back up the oldest 1000 logs when reaching the maximum number of event logs.
- The data transmission weight for the QoS default priority is incorrect.
- Combo ports links will go down when connecting at 100M full-duplex.
- The switch shows an incorrect TLV count if the system sends more Management Address TLVs than the allowed maximum.
- Applying MSTP settings on a Link Aggregation port channel may fail.
- The LLDP neighbor table information shows incorrectly when receiving more than 256 LLDPDUs from neighbors.
- The MAC learning status behaves abnormally when the port reaches its MAC learning limit.

• The router port on the switch is not cleared after becoming the Querier for IGMP Snooping.
• When the event log reaches 10,000 entries, the system will continuously generate temporary log files until all storage capacity is used, causing the system to become unstable.
• Enabling Linkup Delay causes Turbo Ring recovery times to exceed 50 ms, triggering a topology change.

Changes

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

Notes

N/A

Version: v3.2	Build: N/A
Release Date: Aug 16, 2023	

Applicable Products

EDS-4008 Series, EDS-4009 Series, EDS-4012 Series, EDS-4014 Series, EDS-G4008 Series, EDS-G4012 Series, EDS-G4014 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Improved system performance when handling control packets, including for SNMP, ICMP, ARP, and LLDP.

Bugs Fixed

• The packet buffer mechanism may cause the system to randomly reboot.
• Re-enabling Link Aggregation will cause the connected switches to be unable to ping one another.
• The connection will fail when attempting to ping the switch or establish a web connection through ports configured in Trunk mode.
• The Access Control List deny and permit rules are incorrectly applied to all ports.
• The DHCP Server Port-based IP Assignment does not work properly.
• If the system name of an LLDP Neighbor includes special characters, the LLDP page displays an internal error.
• The VLAN page displays an internal error due to a VLAN database decoding issue.
• The Relay SNMP OID value is incorrect.
• The LHC RX counter always displays 0.
• SSH connections cause higher-than-intended CPU usage.

Changes

N/A

Notes

N/A

Version: v3.1	Build: N/A
Release Date: Feb 24, 2023	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

• The EDS-4008-2GT-2GS and EDS-4008-4P-2GT-2GS do not recognize installed SFP modules.

Changes

N/A

Notes

N/A

Version: v3.0	Build: N/A
Release Date: Jan 18, 2023	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

• Added support for the SFP-1GTXRJ45 module.
• Added support for Access Control List.
• Added support for MMS.
• Added support for Loop Protection.
• Added support for Backup and Restore Storage.
• Added support for MSTP.
• Added support for MAC Authentication Bypass.

Enhancements

• Improved the TFTP/SFTP Filename Check description for clarity.
• Improved the Password Format Check description for Config Backup for clarity.

Bugs Fixed

• SFP compatibility issue between EDS-4008-2GT-2GS, EDS-4012-4GS, EDS-4012-8P-4GS, EDS-G4012-8P-4QGS, and EDS-G500E Series devices.
• SFP compatibility issue between EDS-G4014-6QGS (ports 3 to 6), EDS-4014-4GS-2QGS (ports 3 to 6), and EDS-G500E Series devices.
• 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.

Changes

• Modified the menu tree structure for the VLAN, Event Log, SNMP, and Time pages.

Notes

N/A

Version: v2.3	Build: N/A
Release Date: Apr 08, 2022	

Applicable Products

EDS-G4014 Series, EDS-4014 Series, EDS-4009 Series, EDS-G4008 Series, EDS-4012 Series, EDS-4008 Series, EDS-G4012 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

• An issue with the hybrid VLAN function.
• An issue with the static multicast function.

Changes

N/A

Notes

N/A

Version: v2.2	Build: 20220104
Release Date: Mar 16, 2022	

Applicable Products

EDS-4008 Series, EDS-4009 Series, EDS-4012 Series, EDS-4014 Series, EDS-G4008 Series, EDS-G4012 Series, EDS-G4014 Series

Supported Operating Systems

N/A

New Features

• First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A