Firmware for EDS-G508E Series Release Notes

Version: v6.1	Build: EDSG508E_V6.1_Build_20010618
Release Date: Jan 07, 2020	

Applicable Products

EDS-G508E Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Prevents IP base multicast control packet flooding.
• [MSRV-2017-011][CVE-2019-6561] Supports "same-site" browser cookie parameters

Bugs Fixed

• Login issue with Chrome v65.
• The system rebooted when a SNMP GET had request ID=0.
• The HTTP configuration was missing after the configuration file was imported.
• When DSCP remark was enabled and the VID exceeded 64, VLAN could not be added into the IGMP table.
• When DSCP remark was enabled, the VLAN tag would be added in egress.
• VLAN tag of IP/IGMP packets would be untagged abnormally.
• QoS default priority did not work.
• [MSRV-2017-006][CVE-2019-6557] Buffer overflow vulnerabilities that may allow remote control.
• [MSRV-2017-007][CVE-2019-6522] An attacker could read device memory on arbitrary addresses.
• [MSRV-2017-009][CVE-2019-6565] No proper validation of user inputs, which allowed users to perform XSS attacks.
• [MSRV-2017-011][CVE-2019-6561] CSRF attacks were possible if browser cookie parameters were not correct.

Changes

N/A

Notes

• MSRV is Moxa's internal security vulnerability tracking ID.

Version: v6.0	Build: 18022316
Release Date: Jan 18, 2019	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Updated OpenSSL to version v1.0.2k.
- Increased ARP table size from 100 to 5000 entries.
- Allowed 802.1X security port to also be set as a redundancy port with all redundancy functions.
- Improved ICMP response time to be within 200 ms.

Bugs Fixed

- Fixed the issue that caused the device to fail when importing configuration files for different firmware to FW 5.2.
- Fixed the VLAN configuration issue on the serial console interface.
- Fixed the issue that caused the switch to duplicate IP multicast packets in disabled VLANs when IGMP Snooping was enabled.
- Fixed the issue of LLDP destination address not being correct when using trunk ports.
- Fixed Gigabit Fiber speed display issue.
- Fixed DHCP discovery fail issue.
- Fixed the issue of not being able to use Loop Prevent while RSTP is enabled.
- Fixed the link issue that occurs when the Gigabit Fiber port connects with 100M SFP and imports a configuration via CLI through that port.
- Fixed the link issue when using 100M SFP to connect with non-Moxa switches.
- Fixed the issue that causes the DHCP client to be unable to obtain an IP Address when DHCP Relay is disabled.
- Fixed the LED display error when users configure Turbo Chain to use an "even" number port as its head port.
- Fixed the looping issue that occurs when rebooting the switch using the dual homing function.

Changes

- Encrypted security keys in CLI commands
- Added support for new hardware version and backward compatibility with older hardware versions (Note: Hardware versions later than 2.0.0 only support firmware version 6.0 or later)

Notes

N/A

Version: v5.2	Build: Build_17053111.rom
Release Date: Aug 21, 2017	

Applicable Products

EDS-G508E, EDS-G508E-T, EDS-G512E-4GSFP, EDS-G512E-4GSFP/KC, EDS-G512E-4GSFP-T, EDS-G512E-4GSFP-T/KC, EDS-G512E-8PoE-4GSFP, EDS-G512E-8PoE-4GSFP/KC, EDS-G512E-8PoE-4GSFP-T, EDS-G512E-8PoE-4GSFP-T/KC, EDS-G516E-4GSFP, EDS-G516E-4GSFP-T

Supported Operating Systems

N/A

New Features

• DSCP rewrite function. This feature is only available in Command Line Interface (CLI).
• Traffic rate setting in storm protection function. This feature is only available in Command Line Interface (CLI).

Important Notice: After upgrading the firmware, please reset the switch to the factory default settings and manually input the configuration settings. Users cannot import existing configuration files into firmware v5.2 due to a change in the software design.

Enhancements

• Increased Access Control List (ACL) support rules from 160 to 230 rules.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v5.1	Build: Build_16072215
Release Date: N/A	

Applicable Products

EDS-G508E, EDS-G508E-T, EDS-G512E-4GSFP, EDS-G512E-4GSFP/KC, EDS-G512E-4GSFP-T, EDS-G512E-4GSFP-T/KC, EDS-G512E-8PoE-4GSFP, EDS-G512E-8PoE-4GSFP/KC, EDS-G512E-8PoE-4GSFP-T, EDS-G512E-8PoE-4GSFP-T/KC, EDS-G516E-4GSFP, EDS-G516E-4GSFP-T

Supported Operating Systems

N/A

New Features

• System Notification: Definable Successful/Failed Login notification.
• Password Policy: Password Strength can be set.
• Account Lockout Policy: Failure Threshold and Lockout Time can be set.
• Log Management: Full Log Handling.
• Remote Access Interface Enable/Disable.
• Configuration Encryption with Password.
• Supports SSL Certification Import.
• Supports MAC Authentication Bypass via RADIUS Authentication.
• MAC Address Access Control List or MAC Address Filtering.
• Protects against MAC Flooding Attack by MAC Address Sticky.
• NTP Authentication to Prevent NTP DDoS Attack.
• Login Authentication: Support Primary & Backup Database Servers (RADIUS / TACACS+ / Local Account).
• Login Authentication via RADIUS Server: Support Challenge Handshake Authentication Protocol (CHAP) Authentication Mechanism.
• RADIUS Authentication: Support EAP-MSCHAPv2 (For Windows7).
• MXview Security View Feature Support* (with MXstudio v2.4).
• Turbo Ring v1/v2, Turbo Chain Support Port Trunking.
• Layer2 V-On.

Enhancements

• CLI: Supports Multiple Sessions (up to six).
• SMTP supports Transport Layer Security (TLS) Protocol and Removes SSL v2/v3.
• SNMPv3 Traps and Informs.
• Fixed Display Issue with Java Applet.
• Fiber Check: Added Threshold Alarm.
• Static Port Lock with IVL Mode.
• Serial Number: 12 Digital S/N Display.
• When GbE Port Speed is [Auto], MDI/MDIX is [Auto] Fixed.
• Web UI/CLI Command Enhancement and Modification.

Bugs Fixed

• Drown Attack.
• ICS-VU-951212 Vulnerabilities.
• Nessus Vulnerability.

Changes

N/A

Notes

N/A

Version: v4.2	Build: Build_15062316
Release Date: N/A	

Applicable Products

EDS-G508E, EDS-G508E-T, EDS-G512E-4GSFP, EDS-G512E-4GSFP/KC, EDS-G512E-4GSFP-T, EDS-G512E-4GSFP-T/KC, EDS-G512E-8PoE-4GSFP, EDS-G512E-8PoE-4GSFP/KC, EDS-G512E-8PoE-4GSFP-T, EDS-G512E-8PoE-4GSFP-T/KC, EDS-G516E-4GSFP, EDS-G516E-4GSFP-T

Supported Operating Systems

N/A

New Features

• Added new Multicast Fast Forwarding mode.

Enhancements

• Increased IGMP Groups to 2048 (original 256 groups).
• Improved Turbo Chain link status check mechanism at the head port.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v4.1	Build: Build_15010918
Release Date: N/A	

Applicable Products

EDS-G508E, EDS-G508E-T, EDS-G512E-4GSFP, EDS-G512E-4GSFP/KC, EDS-G512E-4GSFP-T, EDS-G512E-4GSFP-T/KC, EDS-G512E-8PoE-4GSFP, EDS-G512E-8PoE-4GSFP/KC, EDS-G512E-8PoE-4GSFP-T, EDS-G512E-8PoE-4GSFP-T/KC, EDS-G516E-4GSFP, EDS-G516E-4GSFP-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

N/A

Changes

• Web user interface display errors under Java 8 environment.

Notes

N/A

Applicable Products

EDS-G508E, EDS-G508E-T, EDS-G512E-4GSFP, EDS-G512E-4GSFP/KC, EDS-G512E-4GSFP-T, EDS-G512E-4GSFP-T/KC, EDS-G512E-8PoE-4GSFP, EDS-G512E-8PoE-4GSFP/KC, EDS-G512E-8PoE-4GSFP-T, EDS-G512E-8PoE-4GSFP-T/KC, EDS-G516E-4GSFP, EDS-G516E-4GSFP-T

Supported Operating Systems

N/A

New Features

• New release for the EDS-G500E Series.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A