Firmware for EDS-G516E Series Release Notes

<table>
<thead>
<tr>
<th>Version: v6.1</th>
<th>Build: EDSG516E_V6.1_Build_20010618</th>
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</thead>
<tbody>
<tr>
<td>Release Date: Jan 07, 2020</td>
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**Applicable Products**
EDS-G516E Series

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**

- Prevents IP base multicast control packet flooding.

**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-2017-009][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.
**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
Applicable Products

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
<table>
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<tr>
<th>Version: v6.1</th>
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### Applicable Products

### 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).
- 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).
- 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
**Supported Operating Systems**


**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

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**Applicable Products**

**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
Supported Operating Systems

New Features
- New release for the EDS-G500E Series.

Enhancements
N/A

Bugs Fixed
N/A

Changes
N/A

Notes
N/A