Firmware for EDS-510A Series Release Notes

Version: v3.9	Build: 21110513
Release Date: Dec 14, 2021	

Applicable Products

EDS-510A Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Upgraded OpenSSL to 1.0.2k and added support for TLS v1.2.
- Added a memory usage protection function for certain configurations.
- Added an additional encryption option and command to the web UI and CLI.
- Added the "Set" function for standard MIB ifAdminStatus.
- Increased the number of RSTP nodes to 40.

Bugs Fixed

- When Turbo Ring V2 is working alongside Turbo Chain, and the Head Port link turns on or off, the recovery time increases to < 50 ms.
- Turbo Ring V1 does not work with RSTP Force Edge port.
- The system reboots when reading or writing SNMP OID 1.3.6.1.2.1.2.2.1.1.4294967295.
- Turbo Ring V1 does not work properly.
- Accessing LLDP via Telnet causes the device to reboot.
- SNMP responds slowly when querying the MAC table.
- Disabling the Broadcast Storm Control Port function does not work.
- The ABC-01 does not function properly.
- Some counters show abnormal values after resetting.
- The LLDP configuration webpage is vulnerable to javascript injections.
- Reading speeds are slow when adding a new MAC address.
- IEEE 802.1x authentication may fail under certain conditions.
- The "copy startup-config" CLI command causes the system to restart.
- If Turbo Chain is enabled and the Rate Limit function is configured on the Head Port, the Turbo Chain would become unstable.
- The SFP fiber link behaves abnormally under certain conditions.
- The "get bulk" SNMP command does not work properly for some OIDs.
- TACACS+ authentication would fail under certain conditions.
- OID 1.3.6.1.2.1.17.4.3.1.1 causes the "get" SNMP command to time out.
- The RSTP configuration is missing.
- The Ping function and SNMP do not respond.
- The Rate Limit – Port Disable mode does not work properly for Gigabit ports.
- Establishing an SSH connection may cause the system to reboot.
- [MSRV-2017-001][CVE-2019-6518] Plain text storage of a password.
- [MSRV-2017-003][CVE-2019-6526] Missing encryption of sensitive data.
- [MSRV-2017-004][CVE-2019-6524] Improper restriction of excessive authentication attempts.
- [MSRV-2017-005][CVE-2019-6559] Resource exhaustion.
- [MSRV-2017-006][CVE-2019-6557] Buffer overflow in endpoint.
- [MSRV-2017-007][CVE-2019-6522] Device Memory Read.

- [MSRV-2017-009][CVE-2019-6565] Multiple XSS.
- [MSRV-2017-011][CVE-2019-6561] Cross-Site Request Forgery (CSRF).
- [MSRV-2017-013] Use of a broken or risky cryptographic algorithm.
- [MSRV-2017-014] Use of hard-coded cryptographic key.
- [MSRV-2017-015] Use of hard-coded password.
- [MSRV-2017-018] Weak password requirements.
- [MSRV-2017-019] Information exposure.
- [MSRV-2017-020][CVE-2017-13703] Buffer overflow in the session ID.
- [MSRV-2017-021][CVE-2017-13702] Cookie management.
- [MSRV-2017-022][CVE-2017-13700] Cross-site scripting (XSS).
- [MSRV-2017-026] Use of a broken or unsecure cryptographic algorithm.
- [MSRV-2019-002] XSS vulnerability in the LLDP diagnostic page.
- [MSRV-2019-003] Denial of Service (web service) by improper HTTP GET command.
- [MSRV-2019-004] Denial of Service (web service) by over-sized firmware upgrade through HTTP/HTTPS.
- [MSRV-2019-005] Denial of Service (web service) by excessive length of HTTP GET command.

Changes

N/A

Notes

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

Version: v3.8	Build: Build_17041115
Release Date: May 03, 2017	

Applicable Products

EDS-510A-3SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP, EDS-510A-1GT2SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Add warning message when default password was not changed
- Encrypt security Keys in user interface
- Enhance RSTP compatibility

Bugs Fixed

- Cross-site scripting vulnerability.
- Denial of Service attack vulnerability.
- Privilege escalation vulnerability.
- SSL v2/v3 vulnerability in https.
- Web console cannot be accessed due to SNMP get bulk.
- Specific CLI command cause switch reboot with default settings.
- Add a new VLAN will change IGMP querier state from disable to enable.
- Saving configuration to ABC-01 cannot be performed via IE browser.
- Rate limit cannot be set in web UI.
- Telnet hangs after SSH disabled.
- Correct RSTP edge definition in exported configuration file.
- Correct authorization of Radius/TACACS+ login.
- Correct RSTP Auto-Edge behavior.
- After upgrade firmware, the system maybe warm start when the user login the switch.

Changes

N/A

Notes

N/A

Version: v3.4	Build: Build_14121010
Release Date: N/A	

Applicable Products

EDS-510A-1GT2SFP, EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

• Web user interface displayed errors under Java 8 environment.

Changes

N/A

Notes

N/A

Version: v3.3	Build: N/A
Release Date: N/A	

Applicable Products

EDS-510A-1GT2SFP, EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Added web interface for loop-protection enable/disable.
• Added web interface for SSH/SSL key generation.
• Added SNMP MIB for SFP DDM (Diagnostics).
• Added web interface/CLI/SNMP for NTP/SNTP client settings.

Bugs Fixed

• Login failed in CLI mode when password contained special characters.
• Hybrid VLAN lacks SNMP MIB object.
• IEEE 1588 PTP did not function correctly.
• Configuration import was restricted if the system name was too long.
• Login authentication failed if the radius server did not support privilege levels assignment.
• DIP switch "Coupler" On/Off malfunction.
• SFP DDM (Diagnostics) displayed inaccurate values.

Changes

N/A

Notes

N/A

Version: v3.1	Build: N/A
Release Date: N/A	

Applicable Products

EDS-510A-1GT2SFP, EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Passed ODVA EtherNet/IP certificate.
• Added some minor SNMP OIDs.
• Enhanced multicast performance.
• Added version number in MIB file.

Bugs Fixed

• NTP did not synchronize time in default settings.
• NTP client function did not work with Windows XP NTP server.
• Failed to upgrade firmware when IEEE 802.1x was enabled.
• Switch rebooted when receiving IGMP v3 packets (commonly used in Windows 7).

Changes

N/A

Notes

N/A

Version: v3.0	Build: N/A
Release Date: N/A	

Applicable Products

EDS-510A-1GT2SFP, EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

• RSTP-2004.
• MSTP.
• NTP Server/Client.
• IEEE 1588 PTP V2.
• RADIUS and TACACS+ for user login authentication.
• RADIUS for 802.1x port authentication.
• Hybrid VLAN.
• Command Line Interface.
• EtherNet/IP.
• Egress rate limit.
• Unknown unicast filtering.
• CPU loading monitoring.
• Change IP without reboot.
• DHCP Discover retry configuration.
• GARP timer adjustment.
• Loop-protection.
• Link Fault Shutdown (Disable mode in "Rate Limit" function).

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v2.6	Build: N/A
Release Date: Dec 21, 2009	

Applicable Products

EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-3GT-T, EDS-510A-1GT2SFP-T, EDS-510A-1GT2SFP, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Enhance Turbo Chain function

Bugs Fixed

N/A

Changes

N/A

Notes

For products with firmware prior to v2.6, users must upgrade to v2.6 before upgrading to the latest v3.X firmware.

Version: v2.5	Build: N/A
Release Date: N/A	

Applicable Products

EDS-510A-1GT2SFP, EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

• Supports TurboPack™ 2009 (added new functions of Turbo Chain, IPv6, Modbus/TCP, IEEE 1588 PTP, SNMP Inform, LLDP, DHCP Option 82, Firefox, and SSH).

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v2.3	Build: N/A
Release Date: N/A	

Applicable Products

EDS-510A-1GT2SFP, EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

• Upgraded EDS-510A's firmware for detecting SFP time.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v2.2	Build: N/A
Release Date: N/A	

Applicable Products

EDS-510A-1GT2SFP, EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

• Added IGMP Enhanced mode enabled/disabled.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v2.1	Build: N/A
Release Date: N/A	

Applicable Products

EDS-510A-1GT2SFP, EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

• Added new Turbo Ring ("Turbo Ring V2") function.
• Added new Ring Coupling function.
• Added Daylight Saving function.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v1.0	Build: N/A
Release Date: N/A	

Applicable Products

EDS-510A-1GT2SFP, EDS-510A-3GT, EDS-510A-3SFP, EDS-510A-1GT2SFP-T, EDS-510A-3GT-T, EDS-510A-3SFP-T

Supported Operating Systems

N/A

New Features

• First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A