Firmware for EDS-616 Series Release Notes

Version: v3.10	Build: 22031515
Release Date: Mar 24, 2022	

Applicable Products

EDS-616 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 incorrect negative values.
• 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.
• 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 Turbo Chain recovery time is irregular during warm and cold starts.
• 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-2017-013] 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: 17041115
Release Date: May 04, 2017	

Applicable Products

EDS-616 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Added warning message when default password was not changed.
• Encrypted security keys in user interface.
• Enhanced 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.
• Can not save configurations to the ABC-01 via IE browser.
• Rate limit could not be set in web UI.
• PTP timestamp error in announce Message.
• Telnet hangs after SSH disabled.
• Corrected RSTP edge definition in exported configuration file.
• Corrected authorization of Radius/TACACS+ login.
• Display issue with JAVA applet.
• Corrected RSTP Auto-Edge behavior.
• System rebooted after specific CLI command.

Changes

N/A

Notes

N/A

Version: v3.4	Build: 15011510
Release Date: N/A	

Applicable Products

EDS-616 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

• Web user interface display errors under Java 8 environments.

Changes

N/A

Notes

N/A

Version: v3.3	Build: 13092410
Release Date: N/A	

Applicable Products

EDS-616 Series

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 the CLI mode when the password contained a special character.
• Hybrid VLAN lacked SNMP MIB object.
• SFP DDM (Diagnostics) displayed inaccurate values.
• IEEE 1588 PTP did not function correctly.
• Far-end fault failed on 100 M fiber port.
• Importing configurations 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 malfunctioned.

Changes

N/A

Notes

N/A

Version: v3.1	Build: 12092817
Release Date: N/A	

Applicable Products

EDS-616 Series

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 could not synchronize time in default settings.
• NTP client function could not work with Windows XP NTP server.
• Firmware Upgrade Failed when IEEE 802.1x was enabled.
• The 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-616 Series

Supported Operating Systems

N/A

New Features

• RSTP-2004.
• MSTP.
• NTP Server/Client 4.SW 1588 PTPv2.
• CLI.
• Ethernet/IP.
• Hybrid VLAN.
• Radius/Tacacs+ for both login access and port authentication
• Egress rate limit.
• CPU loading.
• Change IP address without rebooting.
• DHCP Discover retries forever, or retries for a period of time.
• GARP timer adjustment.
• Loop-protection.
• Rate Limit: port disable mode.

Enhancements

N/A

Bugs Fixed

• Event log display "module 3 & 4 inserted" issue.

Changes

N/A

Notes

N/A

Version: v1.2	Build: N/A
Release Date: N/A	

Applicable Products

EDS-616 Series

Supported Operating Systems

N/A

New Features

• Added hot swap function.

• Supports the CM-600-4TX-PTP module for IEEE 1588 v1/v2 protocol. Please download the latest firmware (1.3 or above) for the CM-600- 4TX-PTP module to avoid any unexpected abnormal functions.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v1.1	Build: N/A
Release Date: N/A	

Applicable Products

EDS-616 Series

Supported Operating Systems

N/A

New Features

• Added hot swappable function for supporting hot-plug interface modules.

Enhancements

N/A

Bugs Fixed

• After the time setting of Age Time was changed, the function did not work normally.

Changes

N/A

Notes

N/A

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

Applicable Products

EDS-616 Series

Supported Operating Systems

N/A

New Features

• New firmware release for EDS-616 Series.

• Supports TurboPack™ 2009 (add new functions for 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