



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