



## Firmware for EDS-405A Series (PN models) Release Notes

<b>Version: v3.9</b>	<b>Build: 22030118</b>
<b>Release Date: Mar 24, 2022</b>	

### Applicable Products

EDS-405A-PN 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.
- Added support for HTTPS, SSH, and SSL.

### 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.



<b>Version: v3.8</b>	<b>Build: Build_17051216</b>
<b>Release Date: Jun 29, 2017</b>	

**Applicable Products**

EDS-405A-PN, EDS-405A-PN-T

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

N/A

**Bugs Fixed**

- User account login authentication error in menu console mode.

**Changes**

N/A

**Notes**

N/A



<b>Version: v3.7</b>	<b>Build: Build_17031513</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

EDS-405A-PN, EDS-405A-PN-T

### **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.

### **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 when the SNMP get bulk service is running.
- Specific CLI command caused the switch to reboot with default settings.
- Adding a new VLAN changed the IGMP querier state from disabled to enabled.
- Saving configurations to ABC-01 cannot be performed via IE browser.
- Rate limit cannot be set in web UI.
- Telnet hangs when SSH is disabled.
- Correct RSTP edge definition in exported configuration file.
- Correct authorization of Radius/TACACS+ login.
- Correct RSTP Auto-Edge behavior.
- System sometimes rebooted after a period of operation while PROFINET is enabled.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v3.2</b>	<b>Build: Build_14121009</b>
<b>Release Date: N/A</b>	

**Applicable Products**

EDS-405A-PN, EDS-405A-PN-T

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

N/A

**Bugs Fixed**

- Web user interface displayed errors under Java 8 environments.

**Changes**

N/A

**Notes**

N/A



<b>Version: v3.1</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

**Applicable Products**

EDS-405A-PN, EDS-405A-PN-T

**Supported Operating Systems**

N/A

**New Features**

- First release for EDS-405A-PN Series.

**Enhancements**

N/A

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A