



Firmware for NPort 5200A Series Release Notes

Version: v1.7	Build: 24092017
Release Date: Nov 19, 2024	

Applicable Products

NPort 5210A, NPort 5210A-T, NPort 5230A, NPort 5230A-T, NPort 5250A, NPort 5250A-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Adds a configuration setting to reject an unrecognized host header in HTTP.
- Upgrades mbedTLS to v2.28.8.
- Disables SNMP by default.

Bugs Fixed

- Account set via NPort Administrator-Configuration may fail.
- Using the event group OpMode in the remote log may cause the NPort to reboot.
- NPort may send abnormal DHCP request when using DHCP relay.
- NPort may append unnecessary options to the DHCP request.
- Fix potential problem for variable out of bound.
- Security issue: HTML XSS attack prevention on certain web pages.
- Correct the data packing feature when the delimiter buffer is full.
- IP filtering Plus setting not included when exporting the configuration file.
- An invalid fd input in FD_ISSET API causing unexpected behavior and DUT crash.

Changes

N/A

Notes

N/A



Version: v1.6	Build: Build 20101317
Release Date: Oct 15, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- Supports remote log function.
- Supports turning on HTTPS with TLS 1.2 by default.
- Supports MXconfig v2.6 and MXview v3.2.
- A notification regarding the limitation on the length of sensitive data.

Enhancements

- Solved Nessus CVSS v3.0 issues, which scores exceeded 7 and above.
- Solved security issues.
- Records username, source IP, and port number in "Event Log" and "System Log".
- Upgraded mbedTLS to v2.7.15.
- Disables Telnet console by default.
- Disables TLS 1.0/1.1 by default.
- Added an account lockout mechanism for web, Telnet, and MOXA service.
- 8: Removed SSL 2.0 and lower (keep TLS 1.0/1.1/1.2).
- Improved UI and UX on "Configuration file import/export and pre-shared key".

Bugs Fixed

- TCP used to duplicate ACK while handshaking.
- The NPort would still send "ALIVE" command packets after serial data has been transmitted.
- Configuration from DHCP server will be saved to flash frequently.
- An email event could not be sent while the SNMP service was disabled.
- The system became invalid when the IP address ended with ".0"
- Connection status could not be displayed correctly in NPort Administrator—Port Monitor.
- TCP client mode could not connect to TCP server mode on the same NPort.
- Account's password could not be set correctly via NPort Administration Suite 1.x version.
- The system would cold start after receiving MIB tcp Connection Remote Port (tcpConnRemPort).

Changes

N/A

Notes

N/A



Version: v1.5	Build: Build 19032122
Release Date: Mar 29, 2019	

Applicable Products

NPort 5200A Series

Supported Operating Systems

N/A

New Features

- Supports HTTPS.
- Supports MXview auto-topology function.
- Supports MXconfig.
- Supports SNMPv2c.

Enhancements

- Accessible IP list can now be used to restrict all device services.
- Complies with Moxa Security Guidelines on the following: Account Authentication Management, Network Service Management, and Audit and Log Management.
- CVE-2017-14028: An attacker may be able to exhaust memory resources by sending a large amount of TCP SYN packets.
- CVE-2017-16715: An attacker may be able to exploit a flaw in the handling of Ethernet frame padding that may allow for information exposure.
- CVE-2017-16719: An attacker may be able to inject packets that could potentially disrupt the availability of the device.
- Remove unnecessary information displayed on the Web, Telnet, and Serial consoles during the login process.
- Remove the TTL limitation (1) on multicast packets.

Bugs Fixed

- Pair connection mode cannot resolve the domain name.

Changes

N/A

Notes

N/A



Version: v1.4	Build: Build 17030709
Release Date: Mar 15, 2017	

Applicable Products

NPort 5210A, NPort 5230A, NPort 5250A, NPort 5210A-T, NPort 5230A-T, NPort 5250A-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

- The user's password and SNMP community name may be exposed by buffer overflow issue.

Changes

N/A

Notes

N/A



Version: v1.3	Build: Build 1610041
Release Date: N/A	

Applicable Products

NPort 5210A, NPort 5230A, NPort 5250A, NPort 5210A-T, NPort 5230A-T, NPort 5250A-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Enhance web login security and support 5 users login simultaneously.
- Extend HTTP's challenge ID length from 32 bits to 256 bits.
- Enable default password as "moxa".
- Increase CSRF protection mechanism.
- Increase XSS protection mechanism.
- IP of NPort Can be set to address ending with 0 or 255.
- Support "ARP probe" in RFC5227. NPort would response for ARP requests with sender IP address 0.0.0.0.

Bugs Fixed

- NPort can't send e-mail by using Google's SMTP server.
- In pair connection mode, master doesn't pull down RTS/DTR signal after TCP connection is broken.
- Command port sends lots of "D_ASPP_CMD_ALIVE" packets after running 50 days.
- Connect too many connection to HTTP server at the same time will block the new connection for a while.
- NPort may reboot or hang under severel buffer overflow attacks on Telnet, SSH, DSCI, SNMP,

Changes

N/A

Notes

N/A



Version: v1.2	Build: Build 15041515
Release Date: N/A	

Applicable Products

NPort 5210A, NPort 5230A, NPort 5250A, NPort 5210A-T, NPort 5230A-T, NPort 5250A-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Use model name instead of "NULL" for SNMP object "sysDescr".
- Support connecting to the server by domain name and server's IP would change dynamically.
- Support updating ARP table by gratuitous ARP.
- Support RFC2217 NOTIFY-LINESTATE for Transfer Shift Register Empty and Transfer Holding Register Empty.

Bugs Fixed

- If a GETNEXT command of SNMP is issued on an object that does not exist, it displays 'no such name error'.
- In DHCP renewing IP stage, if the IP was originally given by a relay agent, NPort should send DHCP Request to relay agent, not the DHCP server.
- In Real COM mode, when modem status of the NPort's serial port is changed frequently, NPort sometimes fail to notify the change to the driver.
- NPort under reverse telnet mode try to sub-negotiate the COM port control options without option negotiation first.
- In RFC2217 Mode, when the data from ethernet side have many FF characters, some data may be lost on serial side.
- Modified parsing data mechanism to fix import file fail.
- Customer is unable to see the baud rate by using Telnet console at "View settings".

Changes

N/A

Notes

N/A