



Firmware for NPort 5600 Series Release Notes

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| Version: v3.9 | Build: Build 19032122 |
| Release Date: Mar 29, 2019 | |

Applicable Products

NPort 5600 Series

Supported Operating Systems

N/A

New Features

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

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.
- Updates the web UI.

Bugs Fixed

- NPort does not send SNMP Authentication Failure trap.
- Pair connection mode cannot resolve the domain name.
- Unable to get complete network info when the max connection is full with the NPort Fixed TTY driver.
- The password may be exposed in the MOXA service.

Changes

N/A

Notes

N/A



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| Version: v3.8 | Build: Build 17030709 |
| Release Date: Mar 14, 2017 | |

Applicable Products

NPort 5610-8, NPort 5610-8-48V, NPort 5630-8, NPort 5610-16, NPort 5610-16-48V, NPort 5630-16, NPort 5650-8, NPort 5650-8-M-SC, NPort 5650-8-S-SC, NPort 5650-8-T, NPort 5650-8-HV-T, NPort 5650-16, NPort 5650-16-M-SC, NPort 5650-16-S-SC, NPort 5650-16-T, NPort 5650-16-HV-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 a buffer overflow issue.

Changes

N/A

Notes

N/A



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| Version: v3.7 | Build: Build 16082411 |
| Release Date: N/A | |

Applicable Products

NPort 5610-8, NPort 5610-8-48V, NPort 5630-8, NPort 5610-16, NPort 5610-16-48V, NPort 5630-16, NPort 5650-8, NPort 5650-8-M-SC, NPort 5650-8-S-SC, NPort 5650-8-T, NPort 5650-8-HV-T, NPort 5650-16, NPort 5650-16-M-SC, NPort 5650-16-S-SC, NPort 5650-16-T, NPort 5650-16-HV-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Enhanced web login security and supports 5 users logged in simultaneously.
- Extended HTTP challenge ID length from 32 bits to 256 bits.
- Enabled the default password "moxa".
- Increased CSRF protection mechanism.
- Increased XSS protection mechanism.
- The IP address of the NPort can be set to an address ending with 0 or 255.

Bugs Fixed

- NPort cannot send e-mail using Google's SMTP server.
- In pair connection mode, master does not pull down RTS/DTR signal after the TCP connection is broken.
- Command port sends lots of "D_ASPP_CMD_ALIVE" packets after running for 50 days.
- NPort may reboot or hang from several buffer overflow attacks through Telnet, SSH, DSCI, SNMP, HTTP, and HTTPS.

Changes

N/A

Notes

N/A



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| Version: v3.6 | Build: Build 15041515 |
| Release Date: N/A | |

Applicable Products

NPort 5610-8, NPort 5610-8-48V, NPort 5630-8, NPort 5610-16, NPort 5610-16-48V, NPort 5630-16, NPort 5650-8, NPort 5650-8-M-SC, NPort 5650-8-S-SC, NPort 5650-8-T, NPort 5650-8-HV-T, NPort 5650-16, NPort 5650-16-M-SC, NPort 5650-16-S-SC, NPort 5650-16-T, NPort 5650-16-HV-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Uses model name instead of "NULL" for SNMP object "sysDescr".
- Supports connecting to the server by domain name and the server IP will change dynamically.
- Supports updating the ARP table by gratuitous ARP.
- Supports time synchronization with an NTPv4 server.
- Supports RFC2217 NOTIFY-LINESTATE for Transfer Shift Register Empty and Transfer Holding Register Empty.

Bugs Fixed

- If an SNMP GETNEXT command is issued on an object that does not exist, 'no such name error' is displayed.
- When DHCP renews IPs, if the IP was originally given by a relay agent, NPort should send a DHCP request to the relay agent, not the DHCP server.
- In Real COM mode, when the modem status of the NPort's serial port is changed frequently, the NPort will sometimes fail to notify the change to the driver.
- In reverse telnet mode, the NPort will try to subnegotiate the COM port control options without option negotiation first.
- In RFC2217 Mode, if the Ethernet data has many FF characters, some data may be lost while passing the data to the serial side.

Changes

N/A

Notes

N/A