Firmware for NPort P5150A Series Release Notes

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

Applicable Products

NPort P5150A 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 5110A, NPort 5130A, NPort 5150A, NPort 5110A-T, NPort 5130A-T, NPort 5150A-T, NPort P5150A

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

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

Applicable Products

NPort 5110A, NPort 5130A, NPort 5150A, NPort 5110A-T, NPort 5130A-T, NPort 5150A-T, NPort P5150A

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.
• Supports "ARP probe" in RFC5227. NPort would respond for ARP requests with sender IP address 0.0.0.0.

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.
• Too many connections to the HTTP server at the same time would block new connections for a while.
• The Ethernet frame should be padded (with octets of zero) to meet the Ethernet minimum frame size.
• System had the wrong system uptime.

Changes

N/A

Notes

N/A

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

Applicable Products

NPort 5110A, NPort 5130A, NPort 5150A, NPort 5110A-T, NPort 5130A-T, NPort 5150A-T, NPort P5150A

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 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, when data from the Ethernet side has many FF characters, some data may be lost on the serial side.
• Modified data parsing mechanism to fix import file failure.
• In the web console for the NPort P5150A, there is no selection for RS422 or RS485 for serial interface settings.

Changes

N/A

Notes

N/A