Firmware for NPort 5100 Series (NPort 5110/5110-T) Release Notes

Version: v2.11	Build: Build 23081016
Release Date: Mar 15, 2024	

Applicable Products

NPort 5110, NPort 5110-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Security enhancement: Validates port number before accessing values (for port alias setting).
• Security enhancement: Validates port number before accessing values (for setting/getting APIs).
• Security enhancement: Fixes a potential overflow problem.
• Re-codes tsearch file to avoid using GNU Core Utilities to prevent any potential FOSS-related issues.

Bugs Fixed

• NPort may send abnormal DHCP request when using DHCP relay.
• NPort may append unnecessary options in the DHCP request.
• NPort may crash when a HTTP request is too long.

Changes

N/A

Notes

N/A

Version: v2.10	Build: Build 21032913
Release Date: Mar 31, 2021	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

• Supports the MCC Tool.
• Added a notification regarding the limitation on the length of sensitive data.

Enhancements

• Solved security issue: CVE-1999-0511.

Bugs Fixed

• NPort might hang when using in a public network.
• NPort did not send SNMP Authentication Failure trap.
• Unable to get complete network info when max connection was full with NPort Fixed TTY driver.
• Force transmit time could not work when it was set at 20 ms in UDP operation mode.
• The default gateway was invalid when the IP address ended with ".0".
• NPort should not support IP forwarding.
• NPort sent a DUP ACK while handshaking.
• Saved configuration from DHCP server to flash too frequently.

Changes

N/A

Notes

N/A

Version: v2.9	Build: Build 17103018
Release Date: Nov 14, 2017	

Applicable Products

NPort 5110, NPort 5110-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• ICS-CERT ICS-VU-923791: Moxa NPort 5110 flood attack vulnerability report.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v2.8	Build: Build 17090114
Release Date: N/A	

Applicable Products

NPort 5110, NPort 5110-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• ICS-CERT ICS-VU-398374: Moxa NPort 5110 Ethernet leaking vulnerability report.
• ICS-CERT ICS-VU-034903: Moxa NPort 5110 vulnerability report.

Bugs Fixed

• Pair connection mode cannot resolve domain names.

Changes

N/A

Notes

N/A

Version: v2.7	Build: Build 17030709
Release Date: N/A	

Applicable Products

NPort 5110, NPort 5110-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

• TCP/IP protocol may stop responding: CNCERT CNVD-2016-12094.
• The user's password and SNMP community name may be exposed by a buffer overflow issue.

Changes

N/A

Notes

N/A

Version: v2.6	Build: Build 16100411
Release Date: N/A	

Applicable Products

NPort 5110, NPort 5110-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.
• Supports "ARP probe" in RFC5227. NPort would respond for ARP requests with sender IP address 0.0.0.0.

Bugs Fixed

• NPort cannot send email 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

Version: v2.5	Build: Build 15041515
Release Date: N/A	

Applicable Products

NPort 5110, NPort 5110-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.
• Improved the URL encoding issue when typing the character '@' on the email trap settings page in Firefox.

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.

Changes

N/A

Notes

N/A