Firmware for NPort 5100 Series (NPort 5110 Series) Release Notes

<table>
<thead>
<tr>
<th>Version: v2.9</th>
<th>Build: Build 17103018</th>
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<td>Release Date: Nov 14, 2017</td>
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**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
<table>
<thead>
<tr>
<th>Version:  v2.8</th>
<th>Build:  Build 17090114</th>
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<tbody>
<tr>
<td>Release Date:  N/A</td>
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**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
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
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