Firmware for NPort 5100 Series (NPort 51x0 Series) Release Notes

<table>
<thead>
<tr>
<th>Version: v3.8</th>
<th>Build: Build 17102516</th>
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<tbody>
<tr>
<td>Release Date: Nov 14, 2017</td>
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**Applicable Products**
NPort 5130, NPort 5150

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

**Bugs Fixed**
- Pair connection mode cannot resolve domain name.

**Changes**
N/A

**Notes**
N/A
**Supported Operating Systems**
FreeBSD 5.x, FreeBSD 6.x, FreeBSD 7.x, HP-UX, QNX 4.x, QNX 6.x, SCO OpenServer 5, SCO OpenServer 6, SCO UnixWare 7

**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
Applicable Products
NP 5130, NP 5150

Supported Operating Systems
HP-UX, QNX 6.x, SCO OpenServer 5, SCO UnixWare 7

New Features
N/A

Enhancements
• Support "ARP probe" in RFC5227. NP 5100 would respond for ARP requests with sender IP address 0.0.0.0.
• 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 NP 5100 Can be set to address ending with 0 or 255.

Bugs Fixed
• NP 5100 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.
• NP 5100 may reboot or hang under serveral buffer overflow attacks on Telnet, SSH, DSCI, SNMP.

Changes
N/A

Notes
N/A
Applicable Products
NPort 5130, NPort 5150

Supported Operating Systems
QNX 6.x, SCO OpenServer 5, SCO UnixWare 7

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.
- Improved the URL encoding issue when user typed the character '@' at email trap settings on Firefox browser.

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.

Changes
N/A

Notes
N/A