Driver for NPort 5100 Series (UNIX) Release Notes

**Version:** v3.5  
**Build:** Build 110325  
**Release Date:** Mar 20, 2012

### Applicable Products
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

### Supported Operating Systems
FreeBSD 5.x, FreeBSD 6.x, FreeBSD 7.x, FreeBSD 8.x, HP-UX, IBM AIX 5.3, Mac OS X, QNX 4.x, QNX 6.x, SCO OpenServer 5, SCO OpenServer 6, SCO UnixWare 7, Solaris 10

### New Features
N/A

### Enhancements
N/A

### Bugs Fixed
- Zombie process problem in FreeBSD 8.

### Changes
N/A

### Notes
- This version also applies to models NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus and NPort W2250 Plus
- This version also applies to models WE-2100T
- This version also applies to models DE-311M, DE-301, DE-302, DE-304, DE-334
- This version also applies to MiiNePort E1-SDK, MiiNePort E1-H-SDK, MiiNePort E2-SDK, MiiNePort E2-H-SDK
- This version also applies to CSM-MN01
**Applicable Products**
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

**Supported Operating Systems**
FreeBSD 5.x, FreeBSD 6.x, FreeBSD 7.x, HP-UX, IBM AIX 5.3, Mac OS X, QNX 4.x, QNX 6.x, SCO OpenServer 5, SCO OpenServer 6, SCO UnixWare 7, Solaris 10

**New Features**
- Supports Mac OS X v10.3 later.

**Enhancements**
N/A

**Bugs Fixed**
- Pseudo tty writes when resources were temporarily unavailable.
- Zombie process problem in HP-Unix

**Changes**
N/A

**Notes**
- This version also applies to models NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus and NPort W2250 Plus
- This version also applies to models WE-2100T
- This version also applies to models DE-311M, DE-301, DE-302, DE-304, DE-334
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**Applicable Products**
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

**Supported Operating Systems**
FreeBSD 5.x, FreeBSD 6.x, FreeBSD 7.x, HP-UX, IBM AIX 5.3, QNX 4.x, QNX 6.x, SCO OpenServer 5, SCO OpenServer 6, SCO UnixWare 7, Solaris 10

**New Features**
- Supports Solaris 10 in Sparc Machine, IBM AIX 5.3.
- Supports Alpha Server.

**Enhancements**
N/A

**Bugs Fixed**
- Driver connection problem in QNX4.
- When NPort restarted, the driver reset connection would fail in big-endian machines.
- moxattyd would close when a user used terminal to open ports.
- -t parameter would not work on 64-bit machines.
- NPort polling mechanism bug in QNX 6.
- "Invalid Argument" message when using the stty command in Solaris.
- The driver buffer size was changed to 8192 bytes for AIX.
- moxattyd disappeared in big-endian machines.
- Zombie processes were generated on QNX 4 when the device server was disconnected.

**Changes**
N/A

**Notes**
- This version also applies to models NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus and NPort W2250 Plus
- This version also applies to models WE-2100T
- This version also applies to models DE-311M, DE-301, DE-302, DE-304, DE-334
- This version also applies to MiiNePort E1-SDK, MiiNePort E1-H-SDK, MiiNePort E2-SDK, MiiNePort E2-H-SDK
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<td>Release Date: N/A</td>
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**Applicable Products**
NPort 5130, NPort 5150

**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**
NPort 5130, NPort 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. NPort would response 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 NPort Can be set to address ending with 0 or 255.

**Bugs Fixed**
- NPort 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.
- NPort may reboot or hang under serveral buffer overflow attacks on Telnet, SSH, DSCI, SNMP,

**Changes**
N/A

**Notes**
N/A
Version: v3.0
Build: Build 15041515
Release Date: 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