Software Name: Firmware for NPort 5200A Series

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v1.4	Build 17030709	N/A	NPort 5110A, NPort 5130A, NPort 5150A, NPort 5110A-T, NPort 5130A-T, NPort 5150A-T, NPort P5150A	**New Features:** N/A **Enhancements:** N/A	**Bugs Fixed:** 1. The user's password and SNMP community name may be exposed by a buffer overflow issue. **Changes:** N/A	N/A
v1.3	Build 1610041	N/A	NPort 5110A, NPort 5130A, NPort 5150A, NPort 5110A-T, NPort 5130A-T, NPort 5150A-T, NPort P5150A	**New Features:** N/A **Enhancements:** 1. Enhanced web login security and supports 5 users logged in simultaneously. 2. Extended HTTP challenge ID length from 32 bits to 256 bits. 3. Enabled the default password "moxa". 4. Increased CSRF protection mechanism. 5. Increased XSS protection mechanism. 6. The IP address of the NPort can be set to an address ending with 0 or 255. 7. Supports "ARP probe" in RFC5227. NPort would respond for ARP requests with sender IP address 0.0.0.0.	**Bugs Fixed:** 1. NPort cannot send e-mail using Google's SMTP server. 2. In pair connection mode, master does not pull down RTS/DTR signal after the TCP connection is broken. 3. Command port sends lots of "D_ASPP_CMD_ALIVE" packets after running for 50 days. 4. NPort may reboot or hang from several buffer overflow attacks through Telnet, SSH, DSCI, SNMP, HTTP, and HTTPS. 5. Too many connections to the HTTP server at the same time would block new connections for a while. 6. The Ethernet frame should be padded (with octets of zero) to meet the Ethernet minimum frame size. 7. System had the wrong system uptime. **Changes:** N/A	N/A

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Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v1.2	Build 15041515	N/A	NPort 5110A, NPort 5130A, NPort 5150A, NPort 5110A-T, NPort 5130A-T, NPort 5150A-T, NPort P5150A	**New Features:** N/A **Enhancements:** 1. Uses model name instead of "NULL" for SNMP object "sysDescr". 2. Supports connecting to the server by domain name and the server IP will change dynamically. 3. Supports updating the ARP table by gratuitous ARP. 4. Supports RFC2217 NOTIFY-LINESTATE for Transfer Shift Register Empty and Transfer Holding Register Empty.	**Bugs Fixed:** 1. If an SNMP GETNEXT command is issued on an object that does not exist, 'no such name error' is displayed. 2. 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. 3. 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. 4. In reverse telnet mode, the NPort will try to subnegotiate the COM port control options without option negotiation first. 5. In RFC2217 Mode, when data from the Ethernet side has many FF characters, some data may be lost on the serial side. 6. Modified data parsing mechanism to fix import file failure. 7. In the web console for the NPort P5150A, there is no selection for RS422 or RS485 for serial interface settings. **Changes:** N/A	N/A