Software Name: Firmware for NPort 5400 Series (Rev. 3.x)

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v3.12	Build 17030709	N/A	NPort 5410, NPort 5430I, NPort 5430, NPort 5450, NPort 5450-T, NPort 5450I, NPort 5450I-T	**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
v3.11	Build 16100411	N/A	NPort 5410, NPort 5430, NPort 5430I, NPort 5450, NPort 5450-T, NPort 5450I, NPort 5450I-T	**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. IP of NPort can be set to addresses ending with 0 or 255. 4. Enabled the default password "moxa". 5. Increased CSRF protection mechanism. 6. Increased XSS protection mechanism. 7. Supports "ARP probe" in RFC5227. NPort would respond to 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. **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
v3.10	Build 15041515	N/A	NPort 5410, NPort 5430, NPort 5430I, NPort 5450, NPort 5450-T, NPort 5450I, NPort 5450I-T	**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 time synchronization with an NTPv4 server.	**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. **Changes:** N/A	N/A