

## 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
v3.13	Build 19032122	N/A	NPort 5400 Series	<p><b>New Features:</b></p> <ol style="list-style-type: none"> <li>1. Supports HTTPS.</li> <li>2. Supports MXview auto-topology function.</li> <li>3. Supports MXconfig.</li> <li>4. Supports SNMPv2c.</li> <li>5. Supports IGMP.</li> </ol> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>1. Accessible IP list can now be used to restrict all device services.</li> <li>2. Complies with Moxa Security Guidelines on the following: Account Authentication Management, Network Service Management, and Audit and Log Management.</li> <li>3. CVE-2017-14028: An attacker may be able to exhaust memory resources by sending a large amount of TCP SYN packets.</li> <li>4. CVE-2017-16715: An attacker may be able to exploit a flaw in the handling of Ethernet frame padding that may allow for information exposure.</li> <li>5. CVE-2017-16719: An attacker may be able to inject packets that could potentially disrupt the availability of the device.</li> <li>6. Updates the web UI.</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>1. NPort does not send SNMP Authentication Failure trap.</li> <li>2. Pair connection mode cannot resolve the domain name.</li> </ol> <p><b>Changes:</b></p> <p>N/A</p>	N/A
v3.12	Build 17030709	N/A	NPort 5410, NPort 5430I, NPort 5430, NPort 5450, NPort 5450-T, NPort 5450I, NPort 5450I-T	<p><b>New Features:</b></p> <p>N/A</p> <p><b>Enhancements:</b></p> <p>N/A</p>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>1. The user's password and SNMP community name may be exposed by a buffer overflow issue.</li> </ol> <p><b>Changes:</b></p> <p>N/A</p>	N/A

## 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
v3.11	Build 16100411	N/A	NPort 5410, NPort 5430, NPort 5430I, NPort 5450, NPort 5450-T, NPort 5450I, NPort 5450I-T	<p><b>New Features:</b> N/A</p> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>Enhanced web login security and supports 5 users logged in simultaneously.</li> <li>Extended HTTP challenge ID length from 32 bits to 256 bits.</li> <li>IP of NPort can be set to addresses ending with 0 or 255.</li> <li>Enabled the default password "moxa".</li> <li>Increased CSRF protection mechanism.</li> <li>Increased XSS protection mechanism.</li> <li>Supports "ARP probe" in RFC5227. NPort would respond to ARP requests with sender IP address 0.0.0.0.</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>NPort cannot send e-mail using Google's SMTP server.</li> <li>In pair connection mode, master does not pull down RTS/DTR signal after the TCP connection is broken.</li> <li>Command port sends lots of "D_ASPP_CMD_ALIVE" packets after running for 50 days.</li> <li>NPort may reboot or hang from several buffer overflow attacks through Telnet, SSH, DSCI, SNMP, HTTP, and HTTPS.</li> </ol> <p><b>Changes:</b> N/A</p>	N/A
v3.10	Build 15041515	N/A	NPort 5410, NPort 5430, NPort 5430I, NPort 5450, NPort 5450-T, NPort 5450I, NPort 5450I-T	<p><b>New Features:</b> N/A</p> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>Uses model name instead of "NULL" for SNMP object "sysDescr".</li> <li>Supports connecting to the server by domain name and the server IP will change dynamically.</li> <li>Supports updating the ARP table by gratuitous ARP.</li> <li>Supports time synchronization with an NTPv4 server.</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>If an SNMP GETNEXT command is issued on an object that does not exist, 'no such name error' is displayed.</li> <li>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.</li> <li>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.</li> <li>In reverse telnet mode, the NPort will try to subnegotiate the COM port control options without option negotiation first.</li> </ol> <p><b>Changes:</b> N/A</p>	N/A