

Software Name: Firmware for NPort 5600 Series

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v3.9	Build 19032122	N/A	NPort 5600 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> <li>3. Unable to get complete network info when the max connection is full with the NPort Fixed TTY driver.</li> <li>4. The password may be exposed in the MOXA service.</li> </ol> <p><b>Changes:</b></p> <p>N/A</p>	N/A

Software Name: Firmware for NPort 5600 Series

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v3.8	Build 17030709	N/A	NPort 5610-8, NPort 5610-8-48V, NPort 5630-8, NPort 5610-16, NPort 5610-16-48V, NPort 5630-16, NPort 5650-8, NPort 5650-8-M-SC, NPort 5650-8-S-SC, NPort 5650-8-T, NPort 5650-8-HV-T, NPort 5650-16, NPort 5650-16-M-SC, NPort 5650-16-S-SC, NPort 5650-16-T, NPort 5650-16-HV-T	<p><b>New Features:</b> N/A</p> <p><b>Enhancements:</b> N/A</p>	<p><b>Bugs Fixed:</b> 1. The user's password and SNMP community name may be exposed by a buffer overflow issue.</p> <p><b>Changes:</b> N/A</p>	N/A
v3.7	Build 16082411	N/A	NPort 5610-8, NPort 5610-8-48V, NPort 5630-8, NPort 5610-16, NPort 5610-16-48V, NPort 5630-16, NPort 5650-8, NPort 5650-8-M-SC, NPort 5650-8-S-SC, NPort 5650-8-T, NPort 5650-8-HV-T, NPort 5650-16, NPort 5650-16-M-SC, NPort 5650-16-S-SC, NPort 5650-16-T, NPort 5650-16-HV-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>Enabled the default password "moxa".</li> <li>Increased CSRF protection mechanism.</li> <li>Increased XSS protection mechanism.</li> <li>The IP address of the NPort can be set to an address ending with 0 or 255.</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

## Software Name: Firmware for NPort 5600 Series

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v3.6	Build 15041515	N/A	NPort 5610-8, NPort 5610-8-48V, NPort 5630-8, NPort 5610-16, NPort 5610-16-48V, NPort 5630-16, NPort 5650-8, NPort 5650-8-M-SC, NPort 5650-8-S-SC, NPort 5650-8-T, NPort 5650-8-HV-T, NPort 5650-16, NPort 5650-16-M-SC, NPort 5650-16-S-SC, NPort 5650-16-T, NPort 5650-16-HV-T	<p><b>New Features:</b> N/A</p> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>1. Uses model name instead of "NULL" for SNMP object "sysDescr".</li> <li>2. Supports connecting to the server by domain name and the server IP will change dynamically.</li> <li>3. Supports updating the ARP table by gratuitous ARP.</li> <li>4. Supports time synchronization with an NTPv4 server.</li> <li>5. Supports RFC2217 NOTIFY-LINESTATE for Transfer Shift Register Empty and Transfer Holding Register Empty.</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>1. If an SNMP GETNEXT command is issued on an object that does not exist, 'no such name error' is displayed.</li> <li>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.</li> <li>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.</li> <li>4. In reverse telnet mode, the NPort will try to subnegotiate the COM port control options without option negotiation first.</li> <li>5. In RFC2217 Mode, if the Ethernet data has many FF characters, some data may be lost while passing the data to the serial side.</li> </ol> <p><b>Changes:</b> N/A</p>	N/A