

Software Name: Firmware for NPort 5000AI-M12 Series (5450AI-M12)

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
1.3	Build 17030709	NPort_5450AI-M12-CT, NPort_5450AI-M12-T, NPort_5450AI-M12-CT-T	NPort 5450AI-M12	<p>New Features: N/A</p> <p>Enhancements: N/A</p>	<p>Bugs Fixed: 1. The user's password and SNMP community name may be exposed by a buffer overflow issue.</p> <p>Changes: N/A</p>	N/A
v1.2	Build 16100410	NPort_5450AI-M12-CT, NPort_5450AI-M12-T, NPort_5450AI-M12-CT-T	NPort 5450AI-M12	<p>New Features: N/A</p> <p>Enhancements:</p> <ol style="list-style-type: none"> Enhanced web login security and supports 5 users logged in simultaneously. Extended HTTP challenge ID length from 32 bits to 256 bits. IP of NPort can be set to addresses ending with 0 or 255. Enabled the default password "moxa". Increased CSRF protection mechanism. Increased XSS protection mechanism. Supports "ARP probe" in RFC5227. NPort would respond to ARP requests with sender IP address 0.0.0.0. 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> NPort cannot send e-mail using Google's SMTP server. In pair connection mode, master does not pull down RTS/DTR signal after the TCP connection is broken. Command port sends lots of "D_ASPP_CMD_ALIVE" packets after running for 50 days. NPort may reboot or hang from several buffer overflow attacks through Telnet, SSH, DSCI, SNMP, HTTP, and HTTPS. Too many connections to the HTTP server at the same time would block new connections for a while. <p>Changes: N/A</p>	N/A

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v1.1	Build 15041515	NPort_5450AI-M12-CT, NPort_5450AI-M12-T, NPort_5450AI-M12-CT-T	NPort 5450AI-M12	<p>New Features: N/A</p> <p>Enhancements:</p> <ol style="list-style-type: none"> 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. 5. Supports RFC2217 NOTIFY-LINESTATE for Transfer Shift Register Empty and Transfer Holding Register Empty. 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. If an SNMP GETNEXT command is issued on an object that does not exist, 'no such name error' is displayed. 2. In reverse telnet mode, the NPort will try to subnegotiate the COM port control options without option negotiation first. 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. 4. Unable to see the baud rate through a Telnet console on the "View settings" side. 5. Web Console cannot display web pages when refreshing or switching web pages frequently using IE8. <p>Changes: N/A</p>	N/A
v1.0	Build 12072410	NPort_5450AI-M12-CT, NPort_5450AI-M12-T, NPort_5450AI-M12-CT-T	NPort 5450AI-M12	<p>New Features:</p> <ol style="list-style-type: none"> 1. First release. <p>Enhancements: N/A</p>	<p>Bugs Fixed: N/A</p> <p>Changes: N/A</p>	N/A