

Software Name: NPort 5100A Series Firmware

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/Enhancements	Bugs Fixed/Changes	Note
1.4	Build 17030709	N/A	NPort 5110A, NPort 5130A, NPort 5150A, NPort 5110A-T, NPort 5130A-T, NPort 5150A-T, NPort P5150A	New Features: 1. N/A Enhancements: 1. N/A	Bugs Fixed: 1. The user's password and SNMP community name may be exposed by buffer overflow issue Changes: 1. N/A	N/A
1.3	Build 1610041	N/A	NPort 5110A, NPort 5130A, NPort 5150A, NPort 5110A-T, NPort 5130A-T, NPort 5150A-T, NPort P5150A	New Features: 1. N/A Enhancements: 1. Enhance web login security and support 5 users login simultaneously. 2. Extend HTTP's challenge ID length from 32 bits to 256 bits. 3. Enable default password as "moxa". 4. Increase CSRF protection mechanism. 5. Increase XSS protection mechanism. 6. IP of NPort Can be set to address ending with 0 or 255. 7. Support "ARP probe" in RFC5227. NPort would response for ARP requests with sender IP address 0.0.0.0	Bugs Fixed: 1. NPort can't send e-mail by using Google's SMTP server. 2. In pair connection mode, master doesn't pull down RTS/DTR signal after TCP connection is broken. 3. Connect too many connection to HTTP server at the same time will block the new connection for a while. 4. The Ethernet frame should be padded (with octets of zero) to meet the Ethernet minimum frame size. 5. NPort may reboot or hang under severall buffer overflow attacks on Telnet, SSH, DSCI, SNMP, HTTP and HTTPS. 6. System has wrong system uptime. 7. Command port sends lots of "D_ASPP_CMD_ALIVE" packets after running 50 days. Changes: 1. N/A	N/A
1.2	Build 15041515	N/A	NPort 5110A, NPort 5130A, NPort 5150A, NPort 5110A-T, NPort 5130A-T, NPort 5150A-T, NPort P5150A	New Features: 1. N/A Enhancements: 1. Use model name instead of "NULL" for SNMP object "sysDescr". 2. Support connecting to the server by domain name and server's IP would change dynamically. 3. Support updating ARP table by gratuitous ARP. 4. Support RFC2217 NOTIFY-LINESTATE for Transfer Shift Register Empty and Transfer Holding Register Empty.	Bugs Fixed: 1. If a GETNEXT command of SNMP is issued on an object that does not exist, it displays 'no such name error'. 2. In DHCP renewing IP stage, if the IP was originally given by a relay agent, NPort should send DHCP Request to relay agent, not the DHCP server. 3. In Real COM mode, when modem status of the NPort's serial port is changed frequently, NPort sometimes fail to notify the change to the driver. 4. NPort under reverse telnet mode try to sub-negotiate the COM port control options without option negotiation first. 5. In RFC2217 Mode, when the data from ethernet side have many FF characters, some data may be lost on serial side. 6. Modified parsing data mechanism to fix import file fail. 7. In NPort P5150A's web console, there is no selection for RS422 or RS485 on serial interface setting. Changes: 1. N/A	N/A