

Software Name: Firmware for NPort Express Series (DE-311)

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v3.0	Build 11010715	N/A	DE-311	New Features: 1. Supports hardware revision 3 (Rev. 3). Enhancements: N/A	Bugs Fixed: 1. The AT&V command showed the wrong quiet value for Ethernet modem mode. Changes: N/A	N/A
v2.8	N/A	N/A	DE-311	New Features: 1. Added ATDT command function, which supports entering IP addresses and port numbers without dots. Enhancements: N/A	Bugs Fixed: 1. NPort could not establish a connection with network devices with an IP address for which the last 8 bits are all 0s but host part is not all 0s. 2. For Real COM mode, COM port could not be opened after executing the nmap command. Changes: N/A	N/A
v2.7	N/A	N/A	DE-311	New Features: N/A Enhancements: N/A	Bugs Fixed: 1. Checksum problem where NPort would receive a TCP packet with a checksum field equal to 0xffff. Changes: N/A	N/A

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v2.6	N/A	N/A	DE-311	<p>New Features: N/A</p> <p>Enhancements:</p> <ol style="list-style-type: none"> 1. Supports broadcast IP address in UDP mode. NPort will only send one UDP packet if the [Begin] address is the subnet broadcast address (Check NPort IP Address and netmask setting). 2. Improved the latency for TCP Server mode when the force tx timeout is set. 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. UDP mode broadcasting would fail if the number of destinations was large, but the number of destinations was still limited to 64. 2. Delimiter bug which caused the NPort serial port to hang. 3. Ping large packet problem. 4. UDP packets would be discarded when the UDP checksum = 0. 5. In TCP Client mode, DTR/RTS status was not correct. 6. In TCP Server/Client mode, inactivity times larger than 32767 ms would not work. 7. In TCP Server mode, firmware sometimes would not return "TCP Listen" state when a client disconnected the TCP connection. This is because the firmware would try to wait for serial port data output, but did not check the TCP state. 8. TCP Server mode would not clear serial data after a TCP connection was established. This would cause the client to receive garbage data. 9. In TCP Client mode, if the destination host was not ready, the firmware would retry frequently and cause heavy traffic. 10. Line status was not correct in RS-422 mode. 11. Sometimes the Configurator could not detect all DE-311 devices. <p>Changes: N/A</p>	N/A