

Software Name: **Real TTY Driver for Linux kernel 2.4.x, 2.6.x**

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/Enhancements	Bugs Fixed/Changes	Note
1.19	Build 17110917	Linux (kernel 2.4.x) (Support IPv4 only) Linux (kernel 2.6.x) (Support IPv4 and IPv6)	<p>CN2500 Series: CN2510-8, CN2510-16, CN2510-8-48V, CN2510-16-48V</p> <p>CN2600 Series: CN2610-8, CN2610-16, CN2650-8, CN2650-16, CN2650I-8, CN2650I-16, CN2610-8-2AC, CN2610-16-2AC, CN2650-8-2AC, CN2650-16-2AC, CN2650I-8-2AC, CN2650I-16-2AC, CN2650I-8-HV, CN2650I-16-HV</p> <p>NPort: DE-211, DE-311, DE-311M, DE-301, DE-302, DE-304, DE-334</p> <p>NPort 5100 Series: 5110, 5130, 5150, 5110A, 5130A, 5150A, P5150A</p> <p>NPort 5200 Series: 5210, 5230, 5232, 5232I, 5210A, 5230A, 5250A</p> <p>NPort 5400 Series: 5410, 5410 V3, 5430, 5430 V3, 5430I, 5430I V3, 5450, 5450I</p> <p>NPort 5600 Rackmount Serie: 5610-8, 5610-16, 5610-8-48V, 5610-16-48V, 5630-8, 5630-16, 5650-8, 5650-16, 5650-8-M-SC, 5650-16-M-SC, 5650-8-S-SC, 5650-16-S-SC</p> <p>NPort 5600 Desktop Series: 5610-8-DT, 5610-8-DT-J, 5650-8-DT, 5650I-8-DT, 5650-8-DT-J</p> <p>NPort 5600 Desktop Lite Series: 5610-8-DTL, 5650-8-DTL, 5650I-8-DTL</p> <p>NPort IA Series: IA-5150, IA-5150I, IA-5150-S-SC, IA-5150I-S-SC, IA-5150-M-SC, IA-5150I-M-SC, IA-5250, IA5150A, IA5150AI, IA5250A, IA5250AI, IA5450A, IA5450AI</p> <p>NPort M12 Series: NPort 5150AI-M12, 5250AI-M12, 5450AI-M12</p> <p>NPort 6000 Series: 6150, 6250, 6250-M-SC, 6250-S-SC, 6450, 6650-8, 6650-16, 6610-8, 6610-16, 6610-32, 6650-32</p>	<p>New Features:</p> <ol style="list-style-type: none"> Add driver background polling feature to eliminate the waiting time when NPort is not existed in Slackware 14.0 <p>Enhancements:</p> <ol style="list-style-type: none"> When using domain name as mapping address of NPort, it will be translated every time while Real TTY opening the port. Compiling errors when using secured Real COM mode. 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> A call trace might be happened with error message "not syncing: Fatal exception" in The compiling error if the kernel version contains the stream of "2.4." Real TTY driver's installation and uninstallation fails due to insufficient permissions for /tmp folder. <p>Changes:</p> <ol style="list-style-type: none"> Log file increases unlimitedly causes file system crash. Not support 3.x and above. 	N/A

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1.18	Build 12020919	Linux kernel 2.4.x (support IPv4 only) Linux kernel 2.6.x (support IPv4 and IPv6) Linux kernel 3.x.x (support IPv4 and IPv6)	CN2500 Series: CN2510-8, CN2510-16, CN2510-8-48V, CN2510-16-48V CN2600 Series: CN2610-8, CN2610-16, CN2650-8, CN2650-16, CN2650I-8, CN2650I-16, CN2610-8-2AC, CN2610-16-2AC, CN2650-8-2AC, CN2650-16-2AC, CN2650I-8-2AC, CN2650I-16-2AC, CN2650I-8-HV, CN2650I-16-HV NPort: DE-211, DE-311, DE-311M, DE-301, DE-302, DE-304, DE-334 NPort 5100 Series: 5110, 5130, 5150, 5110A, 5130A, 5150A, P5150A NPort 5200 Series: 5210, 5230, 5232, 5232I, 5210A, 5230A, 5250A NPort 5400 Series: 5410, 5410 V3, 5430, 5430 V3, 5430I, 5430I V3, 5450, 5450I NPort 5600 Rackmount Series: 5610-8, 5610-16, 5610-8-48V, 5610-16-48V, 5630-8, 5630-16, 5650-8, 5650-16, 5650-8-M-SC, 5650-16-M-SC, 5650-8-S-SC, 5650-16-S-SC NPort 5600 Desktop Series: 5610-8-DT, 5610-8-DT-J, 5650-8-DT, 5650I-8-DT, 5650-8-DT-J NPort 5600 Desktop Lite Series: 5610-8-DTL, 5650-8-DTL, 5650I-8-DTL NPort IA Series: IA-5150, IA-5150I, IA-5150-S-SC, IA-5150I-S-SC, IA-5150-M-SC, IA-5150I-M-SC, IA-5250, IA5150A, IA5150AI, IA5250A, IA5250AI, IA5450A, IA5450AI NPort M12 Series: NPort 5150AI-M12, 5250AI-M12, 5450AI-M12 NPort 6000 Series: 6150, 6250, 6250-M-SC, 6250-S-SC, 6450, 6650-8, 6650-16, 6610-8, 6610-16, 6610-32, 6650-32	New Features: 1. Support Linux Kernel up to 3.1.0-72. Modify Makefile for compatibility under Ubuntu 11.10 Enhancements: 1. N/A	Bugs Fixed: 1. Driver can't support maximum connection in Redundant COM Mode. 2. Compiler error when security option is enabled. Changes: 1. N/A	N/A

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1.17	Build 11011413	Linux kernel 2.4.x (support IPv4 only) Linux kernel 2.6.x (support IPv4 and IPv6) Linux kernel 3.x.x (support IPv4 and IPv6)	CN2500 Series: CN2510-8, CN2510-16, CN2510-8-48V, CN2510-16-48V CN2600 Series: CN2610-8, CN2610-16, CN2650-8, CN2650-16, CN2650I-8, CN2650I-16, CN2610-8-2AC, CN2610-16-2AC, CN2650-8-2AC, CN2650-16-2AC, CN2650I-8-2AC, CN2650I-16-2AC, CN2650I-8-HV, CN2650I-16-HV NPort: DE-211, DE-311, DE-311M, DE-301, DE-302, DE-304, DE-334 NPort 5100 Series: 5110, 5130, 5150, 5110A, 5130A, 5150A, P5150A NPort 5200 Series: 5210, 5230, 5232, 5232I, 5210A, 5230A, 5250A NPort 5400 Series: 5410, 5410 V3, 5430, 5430 V3, 5430I, 5430I V3, 5450, 5450I NPort 5600 Rackmount Serie: 5610-8, 5610-16, 5610-8-48V, 5610-16-48V, 5630-8, 5630-16, 5650-8, 5650-16, 5650-8-M-SC, 5650-16-M-SC, 5650-8-S-SC, 5650-16-S-SC NPort 5600 Desktop Series: 5610-8-DT, 5610-8-DT-J, 5650-8-DT, 5650I-8-DT, 5650-8-DT-J NPort 5600 Desktop Lite Series: 5610-8-DTL, 5650-8-DTL, 5650I-8-DTL NPort IA Series: IA-5150, IA-5150I, IA-5150-S-SC, IA-5150I-S-SC, IA-5150-M-SC, IA-5150I-M-SC, IA-5250, IA5150A, IA5150AI, IA5250A, IA5250AI, IA5450A, IA5450AI NPort M12 Series: NPort 5150AI-M12, 5250AI-M12, 5450AI-M12 NPort 6000 Series: 6150, 6250, 6250-M-SC, 6250-S-SC, 6450, 6650-8, 6650-16, 6610-8, 6610-16, 6610-32, 6650-32	New Features: 1. Support Solaris 10 in Sparc Machine, IBM AIX 5.3. 2. Support Alpha Server Enhancements: 1. N/A	Bugs Fixed: 1. Fixed driver connection problem in QNX4. 2. When NPort restart, the driver reset connection fail in big-endian machine. 3. Fixed moxattyd closed when user uses terminal to open port. 4. Fixed -t parameter can not work in 64-bits machine. 5. Fixed NPort polling mechnism bug in QNX6. 6. Fixed "Invalid Argument" message for using stty command in Solaris. 7. The driver buffer size is changed to 8192 bytes for AIX. 8. moxattyd disappeared in big-endian machine. 9. Zombie processes being generated on QNX4 when device server is disconnected. Changes: 1. N/A	N/A