



Driver for NPort W2150A/W2250A Series (Linux kernel 3.x.x) Release Notes

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| Version: v1.19 | Build: Build 17110917 |
| Release Date: Nov 15, 2017 | |

Applicable Products

General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

Supported Operating Systems

Linux 3.x, Linux 4.x

New Features

- Supports Raspbian Jessie and later for Raspberry Pi 2/3.
- Added driver background polling feature to eliminate the waiting time when an NPort is not present in Slackware 14.0.

Enhancements

- Supports kernel 4.13.
- Compiling errors with error message "error: expected expression before '{' token" in specific platforms.
- When using a domain name as the mapping address for NPort, it will be translated every time when Real TTY is opening the port.
- Compiling errors when using secured Real COM mode.
- Shutdown hanging may happen in Red Hat Enterprise Linux 7.2 (3.10.0-123.el7).

Bugs Fixed

- Real TTY could not start up TTY ports with the domain name mapped after the system is rebooted.
- Kernel panic with the error message "unable to handle kernel paging request" on specific platforms.
- Driver does not load properly after system reboot on Ubuntu 16.04.
- Driver may cause a kernel crash with the error message "soft lockup" with specific network interface cards.
- The command stty may output an error if there is no loopback connector on NPort in Redundant mode.
- Network reconnection problems when using redundant mode.
- The Real TTY service may not start automatically in Debian 6.0 and later versions.
- There may be communication loss when using IPv6.
- Data cannot be read due to abnormal flow control in Linux kernel 3.8 and later.
- When security mode is enabled, the driver may crash if it connects to an offline NPort.
- Port mapping is incorrect after rebooting in kernel 3.2.48.
- When NPort is offline, the current serial parameters are not saved for reconnection.
- While executing mxsetsec, the configuration of the driver will be cleared.
- When opening node /dev/ttyr10, port 16 should be opened, but port 10 is opened instead.
- The driver reference count becomes negative after a port open fails.

Changes

- No longer supports kernel 2.x.
- Log file increasing without limit causes a file system crash.

Notes

- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T



- Support DE-211, DE-301, DE-302,DE-303, DE-304, DE-308, DE-311, DE-311M, DE-331, DE-332, DE-334
- Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
- Support MiiNePort E1-SDK, MiiNePort E1-H-SDK, MiiNePort E2-SDK, MiiNePort E2-H-SDK

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| Version: v1.18 | Build: Build 12020919 |
| Release Date: N/A | |

Applicable Products

General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

Supported Operating Systems

Linux 2.4.x, Linux 2.6.x, Linux 3.x

New Features

- Supports Linux kernel up to 3.1.0-72. Modified Makefile for compatibility under Ubuntu 11.10.

Enhancements

N/A

Bugs Fixed

- Driver could not support maximum connection in Redundant COM Mode.
- Compiler error when security option is enabled.

Changes

N/A

Notes

- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
- Support DE-211, DE-301, DE-302,DE-303, DE-304, DE-308, DE-311, DE-311M, DE-331, DE-332, DE-334
- Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
- Support MiiNePort E1-SDK, MiiNePort E1-H-SDK, MiiNePort E2-SDK, MiiNePort E2-H-SDK



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| Version: v1.17 | Build: Build 11011413 |
| Release Date: N/A | |

Applicable Products

General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

Supported Operating Systems

Linux 2.4.x, Linux 2.6.x, Linux 3.x

New Features

- Supports Solaris 10 in SPARC machines and IBM AIX 5.3.
- Supports Alpha Server.

Enhancements

N/A

Bugs Fixed

- Fixed driver connection problem in QNX 4.
- When NPort restarts, the driver reset connection fails in big-endian machines.
- moxattyd closed when using terminal to open port.
- -t parameter would not work on 64-bit machines.
- NPort polling mechanism bug in QNX 6.
- "Invalid Argument" message when using stty command in Solaris.
- Driver buffer size changed to 8192 bytes for AIX.
- moxattyd disappeared on big-endian machines.
- Zombie processes were being generated in QNX 4 when the device server was disconnected.

Changes

N/A

Notes

- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
- Support DE-211, DE-301, DE-302, DE-303, DE-304, DE-308, DE-311, DE-311M, DE-331, DE-332, DE-334
- Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
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