Driver for NPort IA5000A-I/O Series (Linux kernel 3.x.x) Release Notes

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

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 maximumconnection 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

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
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