



## Driver for MiiNePort W1 Series (Linux kernel 2.4.x) Release Notes

<b>Version: v1.19</b>	<b>Build: Build 17110917</b>
<b>Release Date: Nov 15, 2017</b>	

### 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

### New Features

- Added driver background polling feature to eliminate the waiting time when an NPort is not present in Slackware 14.0.

### Enhancements

- 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.

### Bugs Fixed

- A call trace may happen with the error message “not syncing: Fatal exception” in kernel 2.6 for specific platforms.
- Compiling error if the kernel version contains the stream “2.4.”
- Real TTY driver installation and uninstallation fails due to insufficient permissions for the /tmp folder.

### Changes

- Log file increasing without limit causes a file system crash.
- No longer supports 3.x and above.

### 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



<b>Version: v1.18</b>	<b>Build: Build 12020919</b>
<b>Release Date: N/A</b>	

### **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 kernels 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



<b>Version: v1.17</b>	<b>Build: Build 11011413</b>
<b>Release Date: N/A</b>	

### **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 on Sparc Machine, 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
- Support MiiNePort E1-SDK, MiiNePort E1-H-SDK, MiiNePort E2-SDK, MiiNePort E2-H-SDK



<b>Version: v1.16</b>	<b>Build: Build 090305</b>
<b>Release Date: N/A</b>	

### 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

### New Features

- Added mxsetsec command to enable/disable security function on TTY ports.
- Supports domain name.
- Supports Linux kernel up to 2.6.27 (Ubuntu 8.10).
- Supports linear baudrates.

### Enhancements

N/A

### Bugs Fixed

- If SELinux does not support MLS, creating /dev/ttyr\* node would fail.
- If opening a port failed, module could not be removed.
- Kernel 2.6.28 may have a system crash.
- Compiling would fail for kernel v2.6.21.

### Changes

N/A

### Notes

- Perform these 3 steps to set a customized baudrate: (e.g., /dev/ttyr00, baudrate 500K) (1) /bin/setserial /dev/ttyr00 spd\_cust, (2) /bin/setserial /dev/ttyr00 divisor 1, (3) /bin/setserial /dev/ttyr00 baud\_base 500000
- To recover to normal mode, perform this step: (1) /bin/setserial /dev/ttyr00 divisor 0
- 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



<b>Version: v1.15</b>	<b>Build: Build 080422</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Supports IPv6 (kernel 2.6.x).

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **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



<b>Version: v1.14</b>	<b>Build: Build 070626</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Supports 32 port models.

### **Enhancements**

N/A

### **Bugs Fixed**

- Local buffer would not clear when the port was closed.

### **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



<b>Version: v1.13</b>	<b>Build: Build 061117</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Supports Secure RealCOM operating mode for NPort 6000 Series.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **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



<b>Version: v1.12</b>	<b>Build: Build 060223</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Added termio CMSPAR option. The driver now supports MARK and SPACE parity checks.

### **Enhancements**

N/A

### **Bugs Fixed**

- Replace verify\_ok() with Using access\_ok() because it is obsoleted in kernel 2.6.x.

### **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





<b>Version: v1.11</b>	<b>Build: Build 050725</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Supports NPort IA models.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **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



<b>Version: v1.10</b>	<b>Build: Build 050422</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Further verified supported Moxa products.
- Supports Linux kernel version 2.4.x to 2.6.9.

### **Enhancements**

N/A

### **Bugs Fixed**

- Warning message occurs with PPP dialout cases.
- With kernel 2.4, trying to ping a packet larger than 4 KB via PPP dialout caused Linux to hang.

### **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



<b>Version: v1.9</b>	<b>Build: Build 050302</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

N/A

### **Enhancements**

N/A

### **Bugs Fixed**

- Server index of ttyinfo table was not correct; incorrect connection down information.

### **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



<b>Version: v1.8</b>	<b>Build: Build 050222</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Supports Slackware (kernel version 2.4.x).

### **Enhancements**

N/A

### **Bugs Fixed**

- Open TTY port function may be slow or may fail.
- Warning message when adding/removing nodes in Fedora Core 3.
- In some Linux systems that run kernel 2.6.x, the /dev/ttyr?? nodes may be deleted after system reboot .

### **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



<b>Version: v1.7</b>	<b>Build: Build 041231</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Supports ASPP baud rate error detection.
- Added NPort 5110 to README.TXT and VERSION.TXT.
- Added alive check mechanism for MOXA products that support DSCI commands (get net state).

### **Enhancements**

N/A

### **Bugs Fixed**

- ap\_id field was 4 bytes long. Use ntohs() and htons() to convert between host and network format.

### **Changes**

- Modified DSCI netstat command: using little endian for max\_socket field.
- Modified alive check to support multiple connections.

### **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



<b>Version: v1.6</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Supports Linux kernel 2.6.

### **Enhancements**

N/A

### **Bugs Fixed**

- Callout device (cur\*) was obsolete under Linux 2.6.

### **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



<b>Version: v1.5</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Supports NE-4100T, NE-4110S, NE-4120S, NE-4110A, NE-4120A.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **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



<b>Version: v1.4</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **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

### **New Features**

- Supports CN2510-8, CN2510-16, CN2610-8, CN2610-16.

### **Enhancements**

N/A

### **Bugs Fixed**

- Compiling error: request for member `counter' in something not a structure or union. Except for Fedora, this would occur on any distribution with kernel version  $\geq 2.4.22$ . (Bug#33)
- Compiling error on Red Hat 7.2: The MODULE\_LICENSE is not defined. (Bug#5)

### **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