NPort Windows Driver Manager Release Notes

Version: v2.0
Build: Build 18081311
Release Date: Aug 23, 2018

**Applicable Products**

**Supported Operating Systems**

**New Features**
N/A

**Enhancements**
- Upgraded OpenSSL Library.

**Bugs Fixed**
- Network timeout issue in NPort Windows Driver Manager.
- TCP port 60950 and 60966 are occupied even when not in use.
- Some antivirus software may cause serial port mapping to fail.

**Changes**

**Notes**
- This version is divided into two separate drivers (v2.0 and v3.0) to support different Windows platforms.
- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
- Support CN2504, CN2508, CN2516
- 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
Applicable Products

Supported Operating Systems

New Features
• Supports OnCell Series models.
• Driver supports RTS Toggle. Please refer the release note of each Moxa product for support information.
• Supports Windows 10.
• Supports CN2650I-8-HV-T/CN2650I-16-HV-T.

Enhancements
• Added a serial communication parameter to the import and export function.
• Supports SetupComm to adjust InQueue size.
• Supports command-line installation/removal.

Bugs Fixed
• nptdrv2.sys cannot be overwritten when updating to a newer version.
• KERNEL_SECURITY_CHECK_FAILURE BSOD caused by NETIO.sys.
• User program will hang when purging incoming data.

Changes
N/A

Notes
• Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
• Support CN2504, CN2508, CN2516
• 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
### Applicable Products
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

### Supported Operating Systems

### New Features
- Added new function: Ignore TX Purge.

### Enhancements
N/A

### Bugs Fixed
- Utility would show a warning message "duplicate IP" after searching for devices with different IPs on an IPv6 only PC.
- In Windows XP, mapping ports are deleted even before confirming the uninstall process of the utility.
- In Windows 7, the mapping ports don’t get deleted even after the utility is uninstalled.
- The import function shows the wrong warning message when the import file has COM numbers which have already been mapped.
- Utility will show a warning message when importing an import file that contains COM numbers that already exist.
- NPort Windows Driver Manager maps COM ports that overlap with the MSB COM port when the manager is opened before installing the MSB driver.

### Changes
N/A

### Notes
- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
- Support CN2504, CN2508, CN2516
- 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
Applicable Products
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

Supported Operating Systems

New Features
• Supports Windows 8.
• Supports Windows 2012.
• Reverse Real COM mode supports “Always accept open requests”.
• Supports NPort 5150AI-M12/5250AI-M12/5250AI-M12.

Enhancements
• Allowed changing the waiting time in run-time when user closes a port which contains queuing data.

Bugs Fixed
• Found no module name device when searching for NPort.
• NPort Windows Driver Manager could not add ports under Windows NT.
• In classic mode, if data cannot be written and a timeout occurs, the driver may return a successful result to the application.
• COM port mapping fails on Windows 2012.
• Unable to select an IPv6 interface from the IPv6 settings page.
• Unable to change setting of “Drop writing data”.
• Failed to map COMs with Reverse Real COM mode after importing a configuration in Driver Manager.
• User could remove a mapping port even if the port was still in use.

Changes
N/A

Notes
• Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
• Support CN2504, CN2508, CN2516
• 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: v1.16  Build: Build 12060214
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

New Features
- Supports NPort W2150A/W2250A.

Enhancements
N/A

Bugs Fixed
- Search termination problem when the reply content is incorrect.

Changes
N/A

Notes
- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
- Support CN2504, CN2508, CN2516
- 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
**Applicable Products**
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

**Supported Operating Systems**

**New Features**
- Supports MiiNePort E1/E1-H/E2/E2-H SDK.
- Supports MiiNePort W1.
- Supports MiiNePort E3, E3-H.
- Supports NPort P5150A.
- Supports new option: "Always Accept Open Requests" without queue data.
- Supports removing the "inf" files created by the uninstaller utility.

**Enhancements**
N/A

**Bugs Fixed**
- Driver cannot detect TCP connection loss when an NPort powers off for a while under Windows 7.
- Port will crash when the user opens an NPort with a baudrate that is more than the NPort can support.
- Driver will turn off the modem status when an NPort powers off.
- Driver causes a system BSOD when opening and closing repeatedly under Windows Server 2008 R2.
- Memory fault issue when mapping port numbers for more than 512 ports and modifying the port settings.

**Changes**
N/A

**Notes**
- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
- Support CN2504, CN2508, CN2516
- 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:** v1.14  
**Build:** 11061215  
**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

### New Features
- Supports NPort S8458-4S-SC-T.
- Supports NPort 5600 DTL series.
- NPort driver will allow COM ports to be opened on the system even if the port is blocked or if the Ethernet connection is disabled.

### Enhancements
N/A

### Bugs Fixed
- DE-2XX and DE-3XX Series cannot be searched for if the number of devices is more than four.
- NPort devices cannot be found by utility through a wireless network adapter under Windows Vista/7.
- Driver causes a system BSOD by writing to an invalid memory location under Windows Server 2008 64-bit.
- The application will not work properly when logging in as a standard user in a Windows Vista/7 environment. This version will prompt the user to change to an account with administrator rights.

### Changes
N/A

### Notes
- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
- Support CN2504, CN2508, CN2516
- Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
Applicable Products
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

Supported Operating Systems

New Features
• Supports NPort 5110A, 5130A, 5150A.
• Supports NPort 5210A, 5230A, 5250A.
• Supports NPort IA5450A, IA5450AI, IA5150A, IA5150AI, IA5250A, IA5250AI.
• Supports MiiNePort E1-P, E1-H, E2, E2-H.

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 CN2504, CN2508, CN2516
• Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
Applicable Products
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

Supported Operating Systems

New Features
N/A

Enhancements
N/A

Bugs Fixed
• Driver disconnection problem when NPort loses its network connection.
• Driver connection problem after hibernation.

Changes
N/A

Notes
• Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
• Support CN2504, CN2508, CN2516
• Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
### Applicable Products
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

### Supported Operating Systems

### New Features
- Supports Windows Server 2008 R2.
- Supports Windows 7.

### Enhancements
- Improved the latency performance.

### Bugs Fixed
- Shortened the COM port adding time.

### Changes
N/A

### Notes
- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
- Support CN2504, CN2508, CN2516
- Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
Applicable Products
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

Supported Operating Systems

New Features
• Supports MiiNePort E1.
• Supports NPort IA-5250I.
• The main utility adds reading "-f" parameter for new COM port list.

Enhancements
N/A

Bugs Fixed
• Handle count problem of service.

Changes
N/A

Notes
• Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus
• Support CN2504, CN2508, CN2516
• Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
Applicable Products

Supported Operating Systems

New Features
• Supports NPort S8000 Series.

Enhancements
N/A

Bugs Fixed
• Program delay bug when user has two Ethernet cards on their PC.
• Read timeout problem of driver.
• Timer problem in application.
• Write timeout problem in driver.
• Flush bug in driver.

Changes
N/A

Notes
• Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus, WE-2100T
• Support CN2504, CN2508, CN2516
• Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
Applicable Products

Supported Operating Systems

New Features
• Supports IPv6.
• Supports Windows Server 2008.
• Supports Reverse Real COM function.
• Windows XP/2003/Vista/2008 x86 WHQL certified.
• Windows XP/2003/Vista/2008 x64 WHQL certified.

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 CN2504, CN2508, CN2516
• Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
Applicable Products

Supported Operating Systems

New Features
• Supports CN2650 Series.
• Supports CN2600-2AC 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 CN2504, CN2508, CN2516
• Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
**Version:** v1.6  **Build:** Build 07062417

**Release Date:** N/A

### Applicable Products

### Supported Operating Systems

### New Features
- Supports Redundant COM.
- Supports up to 4096 COM ports.
- Windows XP/2003/Vista x86 WHQL Certified.
- Windows XP/2003/Vista x64 WHQL Certified.

### 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 CN2504, CN2508, CN2516
- Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
**Supported Operating Systems**

**Applicable Products**

**New Features**
- Supports FQDN function.

**Enhancements**
- N/A

**Bugs Fixed**
- N/A

**Changes**
- N/A

**Notes**
- Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus
- Support CN2504, CN2508, CN2516
- Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
Applicable Products

Supported Operating Systems

New Features
• Supports Windows Vista x86/x64.
• Supports NPort 6610-8, 6610-16, 6610-32, 6650-32.

Enhancements
N/A

Bugs Fixed
N/A

Changes
N/A

Notes
• Support NPort W2004, NPort W2150, NPort W2250, NPort W2150 Plus, NPort W2250 Plus
• Support CN2504, CN2508, CN2516
• Support NE4100T-CMD, NE4110A-CMD, NE4110S-CMD, NE4120A-CMD, NE4120S-CMD
**Applicable Products**

**Supported Operating Systems**

**New Features**
N/A

**Enhancements**
N/A

**Bugs Fixed**
- Fixed sorting of "COM Port" and "IP Address" columns in NPort Driver Manager.
- Fixed read data lost.

**Changes**
- Changed default value of "Network Timeout" to 5000 ms, and its range to 500 ms - 20 sec.

**Notes**
- Support NPort W2004, NPort W2150, NPort W2250
- Support CN2504, CN2508, CN2516
Applicable Products

Supported Operating Systems

New Features
• Added security option into Windows 2000/XP/2003 driver for NPort 6000.

Enhancements
N/A

Bugs Fixed
N/A

Changes
N/A

Notes
• Support NPort W2004, NPort W2150, NPort W2250
• Support CN2504, CN2508, CN2516
**Applicable Products**
General Device Servers, Combo Device Servers, Wireless Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

**Supported Operating Systems**

**New Features**
- Supports NPort IA Series.
- Supports Windows x64.

**Enhancements**
N/A

**Bugs Fixed**
- Driver Manager incorrectly detected new COM ports after COM ports were removed.

**Changes**
N/A

**Notes**
- Support NPort W2004, NPort W2150, NPort W2250
- Support CN2504, CN2508, CN2516
Applicable Products
Wireless Device Servers, General Device Servers, Combo Device Servers, Industrial Device Servers, Terminal Servers, Serial Embedded Modules

Supported Operating Systems

New Features
• First release.

Enhancements
N/A

Bugs Fixed
N/A

Changes
N/A

Notes
• Support NPort W2004, NPort W2150, NPort W2250