NPort Administration Suite for Windows 7, Server 2008 R2 or later Release Notes

Version: v3.0	Build: 19021118
Release Date: Feb 11, 2019	

Applicable Products

NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-8-DT Series, NPort 5600-8-DTL Series, NPort IA5000 Series, NPort P5150A

Supported Operating Systems

Windows 10, Windows 7, Windows 8, Windows 8.1, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019

New Features

- Supports Windows Server 2019.
- Supports Moxa Security Guideline.

Enhancements

N/A

Bugs Fixed

- Fixed driver signature failure on Windows 7.
- For IP Serial library, unable to reopen a Grouped-COM port.
- Fixed BSOD when a Grouped-COM port is opened.
- Encrypted configuration file can't be imported via web console.

Changes

- Separate driver versions are now used to support different Windows versions; driver v2.0 supports Windows 95/98/ME/NT/XP/Visa and Windows Server 2003/2008, driver v3.0 supports Windows 7/8/8.1/10 and Windows Server 2008 R2/2012/2012 R2/2016/2019.

Notes

N/A

Version: v1.22	Build: Build 16082410
Release Date: Oct 28, 2016	

Applicable Products

NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series, Industrial Device Servers

Supported Operating Systems

Windows 10, Windows 2000, Windows 7, Windows 8, Windows 8.1, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Vista, Windows XP

New Features

• Supports encrypted configuration.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

• This version also applies to models NPort IA-5250I

Version: v1.21	Build: Build 16032319
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 10, Windows 2000, Windows 7, Windows 8, Windows 8.1, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Vista, Windows XP

New Features

• Supports Windows 10.

Enhancements

N/A

Bugs Fixed

• Device search failure when the host has more than 16 IP addresses.
• NPort Administration Suite could not be run on Windows 2000.

Changes

N/A

Notes

• This version also applies to models NPort IA-5250I

Version: v1.20	Build: Build 14120316
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 7, Windows 8, Windows 8.1, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Vista, Windows XP

New Features

• IPSerial.dll upgraded to version 1.7.3.
• IPSerial added example code for VB2010.
• Updated NPort.dll to support NPort P5150A.

Enhancements

N/A

Bugs Fixed

• Updated IPSerial.dll to fix thread handle always existing.
• Utility could not monitor devices with "auto save device" setting when restarting the utility.
• Utility could not monitor devices with "manual" setting before executing search function.
• Ports mapped by the NPort Administration Suite v1.18 or earlier would disappear when using a version of Administration Suite later than v1.18.
• Searching by 802.11 WLAN would fail on Windows 7 or later.
• The timeout of IPSerial nsio_checkalive function would not work on Windows 7 Ultimate.
• Popup error message "The network component is not ready" when searching for an NPort on Windows 8.
• Ports could not be sorted by COM number order when clicking the COM number field in the monitor page.
• The ports mapped by NPort Administration Suite v1.19 or earlier could not be opened by using a version of Administration Suite later than v1.19.17.

Changes

N/A

Notes

• This version also applies to models NPort IA-5250I

Version: v1.19	Build: Build 12113018
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 7, Windows 8, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Vista, Windows XP

New Features

- Supports Windows 8 and Windows Server 2012.
- Supports "Always Accept Open Request" for Windows 2000 and newer.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

- This version also applies to models NPort IA-5250I

Version: v1.18	Build: Build 12091810
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 7, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Vista, Windows XP

New Features

• Supports NPort 5150AI-M12, 5250AI-M12, 5450AI-M12.
• Supports LLDP configuration.
• Supports Windows publish.

Enhancements

N/A

Bugs Fixed

• Driver caused a BSOD when opening and closing repeatedly in Windows 2008 R2.
• Driver caused a BSOD when applications open grouped COM ports which contain one or more disabled ports.
• In the COM Grouping function, sometimes HyperTerminal may not read the received data immediately.

Changes

N/A

Notes

• This version also applies to models NPort IA-5250I

Version: v1.17	Build: Build 11072613
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 7, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Vista, Windows XP

New Features

• Supports NPort P5150A.

Enhancements

N/A

Bugs Fixed

• Application will not work properly when logging as a standard user in Windows Vista/7 environments. This version will prompt the user change to an account with administrative rights.
• Windows 2008 64-bit driver would cause a BSOD when accessing an invalid memory path.
• Modified the Georgetown time zone to GMT-04:00, Caracas to GMT-04:30, and Sofia to GMT +02:00.
• The "nsio_RTS" function was not able to control RTS signals.

Changes

N/A

Notes

• This version also applies to models NPort IA-5250I

Version: v1.16	Build: Build 11021514
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 7, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Vista, Windows XP

New Features

- Supports NPort 5600-8-DTL Series.
- Supports NPort A Series products in NPort.dll library.

Enhancements

N/A

Bugs Fixed

- System BSOD when setting and enabling COM grouping functions in Windows 2008 R2.

Changes

N/A

Notes

- This version also applies to models NPort IA-5250I

Version: v1.15	Build: Build 10112214
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 7, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Vista, Windows XP

New Features

• Supports Multi-connection by IPSerial library.
• Supports Windows 7.

Enhancements

N/A

Bugs Fixed

• Reduced handle counts when application called nsio_init() from IPSerial library.
• When closing COM port and applying change to other COM numbers simultaneously, the NPort administrator utility will cause a hang up.
• If the nsio_close() function is called several times and then the nsio_open() function is called, it will fail and return an undefined error code.

Changes

N/A

Notes

• This version also applies to models NPort IA-5250I

Version: v1.14	Build: Build 10050717
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 7, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Vista, Windows XP

New Features

• Supports COM Grouping function for Windows NT.

Enhancements

N/A

Bugs Fixed

• Shortened opening time for COM Grouping.
• Shortened setting time for COM Grouping.
• Write operation would stop transmitting.
• Monitor and port monitor would stop after removing target.

Changes

N/A

Notes

• This version also applies to models NPort IA-5250I

Version: v1.13	Build: Build 10040714
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Vista, Windows XP

New Features

• Supports NPort 5110A, 5130A, 5150A, IA5450A, IA5450AI, IA5150A, IA5150AI, IA5250A, IA5250AI, 5210A, 5230A, 5250A.
• Supports COM Grouping function (does not support Windows 95/98/ME/NT).

Enhancements

N/A

Bugs Fixed

• Set IP filter netmask error on Windows x64 platforms.

Changes

N/A

Notes

• This version also applies to models NPort IA-5250I

Version: v1.12	Build: Build 09090816
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Vista, Windows XP

New Features

• Supports NPort IA-5250I.

Enhancements

N/A

Bugs Fixed

• "Import COM Mapping" function would throw an "invalid pointer opertion" message.
• Monitor function would cause a memory leak.
• Adjusted the IRP completion order for multi-processor environments.
• Fixed the buffer protection mechanism for issues while inserting special characters in the serial RX buffer.

Changes

N/A

Notes

• This version also applies to models NPort IA-5250I

Version: v1.10	Build: Build 08042811
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Server 2008, Windows Vista, Windows XP

New Features

N/A

Enhancements

• Upgraded package: IPSerial Library.

Bugs Fixed

• Application crash problem with IP serial library when binding more than 8 IPs(alias) for PC.
• Loading driver failed in Windows Vista x64.

Changes

N/A

Notes

N/A

Version: v1.9	Build: Build 08022110
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Vista, Windows XP

New Features

N/A

Enhancements

N/A

Bugs Fixed

- SERIAL_PURGE_TXABORT did not reset the WriteCharsQueued counter.
- SIO outqueue count was inaccurate under classic mode.
- The port number was incorrect in the "UDP Mode Settings: Destination" list.
- Startup of Monitor and Port Monitor may fail.
- Removal of Monitor and Port Monitor may fail.
- The search function would have issues on a Windows 2003 host with dual LAN cards.
- Adding COM port would fail if "SERIALCOMM" registry key was absent.
- Invalid argument for time encode.
- Access violation problem in "IP Address Report List".
- Search function supports 16 IP addresses for local host.
- "Alive" status in Monitor and Port Monitor may be incorrect.

Changes

N/A

Notes

N/A

Version: v1.8	Build: Build 07042411
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows Vista, Windows XP

New Features

- Supports Windows Vista.
- Supports 5610-8-DT, 5610-8-DT-J, 5650-8-DT, 5650-8-DT-J and 5650I-8-DT.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v1.7	Build: Build 07021218
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows XP

New Features

• Added "Network Timeout" function for COM settings.
• Added auto message log function.

Enhancements

• Improved IoctlGetCommstatus() to report live out queue count.
• Improved utility user interface.
• Improved COM setting functions. If the selected ports are in use, no change can be made to them. These settings include: COM number, Tx mode, FIFO, and Fast Flush.
• Improved COM setting functions. If the users do not have administrative privileges, they cannot add or delete COM ports. However, they can still view the COM settings and open the COM ports.
• Improved utility user interface.

Bugs Fixed

• Modem dial out caused system halt on multi-processor platforms.
• Driver read operations caused double completion (BSOD) on multi-processor platforms.
• GetCommStatus caused a BSOD on multi-processor platforms.
• ioctl of setting Xon/Xoff character failed.
• Fixed bugs detected by Static Driver Verifier, which include a double completion problem and completion of IRP without releasing the cancel spinlock.
• FastFlush setting error when COM port number exceeds 127.
• COM Mapping problem when a disabled port is opened.

Changes

N/A

Notes

N/A

Version: v1.6	Build: N/A
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

Windows 2000, Windows 95, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows XP

New Features

- Supports PPP Mode and Real COM Mode (RFC2217) operating mode for NPort 56xx.
- Supports 64-bit Windows.
- Moved nprcmisic.dll to nport.dll to cover all NPort models.
- Supports NPort 5130, 5150, 5650, 5650-S-SC, 5650-M-SC.
- Supports SERIAL_LSRMST_ESCAPE and SERIAL_LSRMST_MST event types of IOCTL_SERIAL_LSRMST_INSERT requests. SERIAL_LSRMST_LSR_NODATA and SERIAL_LSRMST_LSR_DATA event types are not supported due to driver limitations.

Enhancements

N/A

Bugs Fixed

- IOCTL_SERIAL_IMMEDIATE_CHAR bug causing a BSOD.
- IOCTL_SERIAL_XOFF_COUNTER bug causing system halt.
- Accessible IPs export and import configurations did not match.
- IOCTL_SERIAL_IMMEDIATE_CHAR bug causing a BSOD.
- IPSerial nsio_write and mutli-port connection problems.
- Administrator could not remove serial port settings when uninstalling the NPort Administration Suite.
- COM Mapping could not import files exported by Administrator v1.2.
- Disconnecting an NPort will crash the application while calling nsio_close.

Changes

N/A

Notes

N/A

Version: v1.5	Build: N/A
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

N/A

New Features

• Supports new functions of firmware 2.0.
• Added new NPort IA model.
• Added Web console toolbar.
• Supports IOCTL_SERIAL_XOFF_COUNTER command (Windows 2000/XP/2003), which is used by some 16-bit programs.

Enhancements

• Improved Windows 2000/XP/2003 driver "Fast Flush" performance.
• Improved disconnection process to prevent application blocking.
• Improved NT/2000/XP/2003 driver Ioctl performance (parity, baud, modem...).

Bugs Fixed

• High CPU loading with Hyper Threading systems.
• COM Mapping rescan prevents some models from being able to be configured.
• Port Monitor: When NPort is reconnecting, Administrator increases CPU load to 100%.
• Event log lost problem.
• IOCTL_SERIAL_SET_WAIT_MASK (npser+114c) BSOD RQL_NOT_LESS_OR_EQUAL problem.
• (npser+5c13) BSOD KERNEL_MODE_EXCEPTION_NOT_HANDLED problem.
• Verifier testing problem.
• Classic mode oqueue length was not correct.
• Tx does not stop on network disconnection.
• Write blocked after reconnecting.

Changes

• Registered COM number usage (Windows 2000/XP/2003). This will avoid other COM device from using the same COM number occupied by this driver.

Notes

N/A

Version: v1.4	Build: N/A
Release Date: N/A	

Applicable Products

Industrial Device Servers, NPort 5100 Series, NPort 5100A Series, NPort 5200 Series, NPort 5200A Series, NPort 5400 Series, NPort 5600 Series, NPort 5600-DT Series, NPort 5600-DTL Series

Supported Operating Systems

N/A

New Features

• First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A