The Security Hardening Guide for the NPort 6000 Series

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About Moxa

Moxa is a leading provider of edge connectivity, industrial computing, and network infrastructure solutions for enabling connectivity for the Industrial Internet of Things (IIoT). With over 30 years of industry experience, Moxa has connected more than 57 million devices worldwide and has a distribution and service network that reaches customers in more than 70 countries. Moxa delivers lasting business value by empowering industries with reliable networks and sincere service. Information about Moxa's solutions is available at www.moxa.com.

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1. Introduction

This document provides guidelines on how to configure and secure the NPort 6000 Series. The recommended steps in this document should be considered as best practices for security in most applications. It is highly recommended that you review and test the configurations thoroughly before implementing them in your production system in order to ensure that your application is not negatively impacted.

2. General System InformationBasic Information About the Device

Model	Function	Operating System	Firmware Version
NPort 6000 Series	Device server	Moxa Operating System	Version 1.20

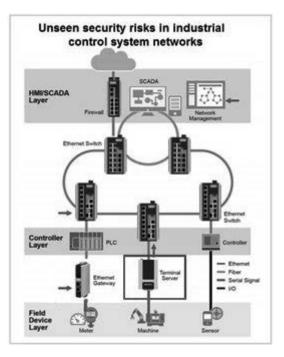
The NPort 6000 Series is a device server specifically designed to allow industrial devices to be directly accessible from a network. Thus, legacy devices can be transformed into Ethernet devices, which then can be monitored and controlled from any network location or even the Internet. Different configurations and features are available for specific applications, such as protocol conversion, Real COM drivers, and TCP operation modes, to name a few. The series uses TLS protocols to transmit encrypted serial data over Ethernet.

Moxa Operating System (MOS) is an embedded proprietary operating system that is only used in Moxa edge devices. Because the MOS operating system is not freely available, the chances of malware attacks are significantly reduced.

2.2. Deployment of the Device

You should deploy the NPort 6000 Series behind a secure firewall network that has sufficient security features in place to ensures that networks are safe from internal and external threats.

Make sure that the physical protection of the NPort devices and/or the system fulfill meet the security needs of your application. Depending on the environment and the threat situation, the form of protection can vary significantly.



3. Configuration and Hardening Information

For security reasons, account and password protection is enabled by default, so you must provide the correct account and password to unlock the device before entering the web console of the gateway.

The default account and password are **admin** and **moxa** (both in lowercase letters), respectively. Once you are successfully logged in, a pop-up notification will appear to remind you to change the password in order to ensure a higher level of security.



From firmware version 1.20, there is no default username or password. You should immediately create a username and password after logging in for the first time to enhance the security of your device.

ľ	мохл	
		·
		First boot
		Username :
		New Password : (4-16 characters)
		Confirm Password : (4-16 characters)
		Submit

3.1. TCP/UDP Ports and Recommended Services

Refer to the table below for all the ports, protocols, and services that are used to communicate between the NPort 6000 Series and other devices.

Service Name	Option	Default Setting	Туре	Port Number	Description	
Moxa Command	a Command		ТСР	14900, 4900	For Moxa utility	
(DSCI)	Enable/Disable	Enable	UDP	4800	communication	
DNS wins	Enable	Enable	UDP	53, 137, 949	Processing DNS and WINS	
	LINDIC	LINUDIC	ODI	55, 157, 545	(Client) data	
SNMP agent	Enable/Disable	Enable	UDP	161	SNMP handling routine	
RIPD_PORT	Enable/Disable	Disable	UDP	520, 521	Processing RIP routing data	
	Redirect to	Disable	ТСР	00	Web especie	
HTTP server	HTTPS/Disable	Disable	TCP	80	Web console	
HTTPS server	Enable/Disable	Enable	ТСР	443	Secured web console	
SSH	Enable/Disable	Enable	ТСР	22	SSH console	
Telnet server	Enable/Disable	Disable	ТСР	23	Telnet console	
RADIUS	Enable/Disable	Disable	UDP	User-defined	Authentication server	
				(1645 as		
				default or 1812)		
TACACS+	Enable/Disable	Disable	ТСР	49	Authentication server	
					The DHCP client needs to	
DHCP client	Enable/Disable	Disable	UDP	68	acquire the system IP	
					address from the server	
SNTP	Enable/Disable	Disable	UDP	Random port	Synchronize time settings	
		Disable	UDP		with a time server	
Remote System Enable/Disable Disable UDP Rando		Random port	Send the event log to a			
Log		DISUDIC			remote log server	

Operation Mode	Option	Default Setting	Туре	Port Number	Description	
Real COM Mode	Enable/Disable	Enable	ТСР	950+ (Serial port No1)		
Real COM Mode	Lilable/Disable	LIIADIE	TCF	966+ (Serial port No1)		
	Enable/Disable	Disable	ТСР	User-defined (default:		
RFC2217 Mode		Disable	ICP	4000+Serial port No.)		
	Enable/Disable	Disable	ТСР	User-defined (default:		
TCP Server Mode				4000+Serial Port No.)		
TCP Server Mode			Disable		User-defined (default:	
					966+Serial Port No.)	
	F 11 (D: 11	D : 11		User-defined (default:		
UDP Mode	Enable/Disable	Disable	UDP	4000+Serial Port No.)		

Operation Mode	Option	Default Setting	Туре	Port Number	Description
Pair Connection	Epoble (Disoble	Disable	TOD	User-defined (default:	
Slave Mode	Enable/Disable	DISADIE	ТСР	4000+Serial Port No.)	
Ethernet Modem	Enable (Disable	Diaphla	TCD	User-defined (default:	
Mode	Enable/Disable	Disable	ТСР	4000+Serial Port No.)	
Reverse Telnet	Enable (Disable	Dischla	ТСР	User-defined (default:	
Mode	Enable/Disable	Disable		4000+Serial Port No.)	
Reverse SSH	Enable/Disable	Disable	ТСР	User-defined (default:	
Mode				4000+Serial Port No.)	
Printer RAW Mode	Enable/Disable	Disable	ТСР	2048+(Group No1)	
Printer LPD Mode	Enable/Disable	Disable	ТСР	515	
Disabled Mode	Enable/Disable	Disable	N/A	N/A	

For security reasons, you should consider disabling unused services. After initial setup, use services with stronger security for data communication. Refer to the table below for the suggested settings.

Service Name	Suggested Setting	Туре	Port Number	Security Remark
Moxa Command	Disable	ТСР	14900, 4900	Disable this service as it is not commonly
(DSCI)	DISable	UDP	4800	used
DNS wins	Enable	UDP	53, 137, 949	A necessary service to get IP; cannot be
	Ellable	UDP	55, 157, 949	disabled
SNMP	Disable	UDP	161	Suggest to manage the NPort via HTTPS
SNMF	Disable	UDF	101	console
RIPD_PORT	Disable	UDP	520, 521	Since the NPort is not a router or layer 3
				switch, you may not need this service
HTTP Server	Disable	TCP 80	Disable HTTP to prevent plain text	
HTTP Server	Disable	TCP	80	transmission
HTTPS Server Enable		тср	443	Encrypted data channel with trusted
TITIPS Server	Ellable	TCF	443	certificate for NPort configurations
SSH	Enable	ТСР	22	If you prefer the console mode to
				configure the device, you can enable the
				SSH service. If you prefer the GUI, then
				disable it.
Telnet Server	Disable	ТСР	22	Disable this service as it is not commonly
remet Server	Disable TCP 23		25	used

Service Name	Suggested Setting	Туре	Port Number	Security Remark
RADIUS	Enable	UDP	User Define	If you are using central account
			(1645 as	management feature (has a RADIUS
			default or	server), you may enable this service.
			1812	
TACACS+	Enable	ТСР	49	If you are using the central account
				management feature (has a TACACS+
				server), you may enable this service.
				Select either RADIUS or TACACS+ to be
				the central account management service,
				and disable the other one.
DHCP Client	Disable	UDP	67 68	Assign an IP address manually for the
DHCP Client	Disable	UDP	67, 68	device
SNTP Client	Disable	UDP	Random Port	Suggest to use the SNTP server for
SNTP Client	Disable	UDP	Random Port	secure time synchronization
Demote Custom				Suggest using a system log server to
Remote System	Enable	UDP	Random port	store all the logs from all the devices in
Log				the network

For console services, we recommend the following:

НТТР	Disable
HTTPS	Enable
Telnet	Disable
Moxa Command	Disable

To enable or disable these services, log in to the HTTP/HTTPS console and select **Basic Settings** \rightarrow **Console Settings**.

Console Settings

HTTP console	○ Redirect to HTTPS		
HTTPS console (support TLS v1.2)	Enable O Disable		
TLS v1.0/v1.1 for HTTPS console	○ Enable		
Telnet console	○ Enable		
SSH console	Enable O Disable		
Moxa Service	Enable O Disable		

To disable the SNMP agent service, log in to the HTTPS console and select **System** Management → SNMP Agent, then select **Disable** for SNMP.

SNMP Agent Settings					
Configuration					
SNMP	Enable O Disable				
Read community string	•••••• (max: 31 characters)				
Write community string	••••••••••••••••••••••••• (max: 31 characters)				
Contact name					
Location					
SNMP agent version	✓v1 ✓v2 ✓v3				
Read only user name					
Read only authentication mode	Disable 🗡				
Read only password	(8-31 characters)				
Read only privacy mode	Disable 💙				
Read only privacy	(8-31 characters)				
Read/write user name					
Read/write authentication mode	Disable 🗡				
Read/write password	(8-31 characters)				
Read/write privacy mode	Disable 🗸				
Read/write privacy	(8-31 characters)				

Submit

For the RADIUS server, log in to the HTTPS/SSH/Telnet console and select **System Management** → **Mics. Network Settings** → **Authentication Server**. Then, keep the IP setting empty as **Disable** for the RADIUS server.

Authentication Server

RADIUS	
RADIUS server	
RADIUS key	
UDP port	1645 🗸
RADIUS accounting	O Enable

To disable the SNTP service, log in to the HTTP/HTTPS/SSH/Telnet console and select **Basic Settings,** and keep the **Time server** setting empty. This will disable the SNTP service.

Time Settings	
Time zone	(GMT)Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London 🗸
Local time (24-hour)	2020 / 9 / 18 3: 46: 1 Modify
Time server	

For the remote system log server, it depends on your network architecture. We recommend your network administrator to have a Log Server to receive the log messages from the device. In this case, log in to the HTTP/HTTPS/SSH/Telnet console, select **Remote Log Server**, and input the IP address of the Log Server in the **SYSLOG server** field. If your network doesn't have one, keep it empty (disable **Remote System Log Server**).

Remote Log Server

Configuration	
SYSLOG server	
SYSLOG facility	local use 0 🗸
SYSLOG severity	Emergency V

For the operation mode services, it depends on how you bring your serial device to the Ethernet network. For example, if your host PC uses a legacy software to open a COM port to communicate with the serial device, then the NPort will enable the Real COM mode for this application. If you don't want the NPort to provide such a service, log in to the HTTP/HTTPS/SSH/Telnet console, select **Serial Port Settings** \rightarrow **Port** # \rightarrow **Operation Modes**, and then select **Disable**.

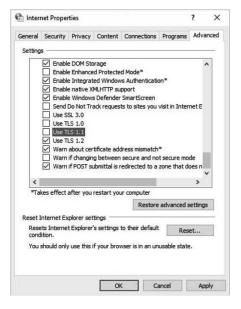
Operation	Modes

Port 1		
Application	Disable 🗸	
Apply the above settings to	P1	□ P2
	□ All ports	
Submit		

Note: For each instruction above, click the **Submit** button to save your changes, then restart the NPort device so the new settings will take effect.

3.2. HTTPS and SSL Certificates

HTTPS is an encrypted communication channel. As TLS v1.1 or lower has severe vulnerabilities that can easily be hacked, the NPort 6000 Series uses TLS v1.2 for HTTPS to ensure data transmissions are secured. Make sure your browser has TLS v1.2 enabled.



In order to use the HTTPS console without a certificate warning appearing, you need to import a trusted certificate issued by a third-party certificate authority.

Log in to the HTTP/HTTPS console and select **System Management** → **Certificate**. You can generate an up-to-date valid certificate by importing a third-party trusted SSL certificate or generating the "NPort self-signed" certificate.

- Behavior of the SSL certificate on an NPort device
 - NPort devices can auto-generate a self-signed SSL certificate. It is recommended that you import SSL certificates that are either certified by a trusted third-party Certificate Authority (CA) or by an organization's CA.
 - The length of the NPort device's self-signed private keys is 1,024 bits, which should be compatible with most applications. Some applications may need a longer key, such as 2,048 bits, which would require importing a third-party certificate. Please note that longer keys will mean browsing the web console will be slower due to the increased complexity of encrypting and decrypting communicated data.

• For the NPort self-signed certificate:

If a certificate has expired, you can regenerate the NPort self-signed certificate with the following steps.

- Step 1. **Delete** the current SSL certificate issued by the NPort device.
- Step 2. **Enable** the NTP server and set up the time zone and local time.
- Step 3. After restarting the device, the NPort self-signed certificate will be regenerated with a new expiration date.
- Importing a third-party trusted SSL certificate:

Importing the third-party trusted SSL certificate can improve security. To generate the SSL certificate through a third party, follow these steps:

- Step 1. Create a certification authority (Root CA), such as Microsoft AD
 Certificate Service (<u>https://mizitechinfo.wordpress.com/2014/07/19/step-by-step-installing-certificate-authority-on-windows-server-2012-r2/</u>)
- Step 2. Find a tool to issue a certificate signing request (CSR) file. You can get one from a third-party CA company such as DigiCert (<u>https://www.digicert.com/easy-csr/openssl.htm</u>).
- Step 3. Submit the CSR file to a public certification authority to get a signed certificate.
- Step 4. Import the certificate to the NPort device. Please note that NPort devices only accept certificates using a ".pem" format.

Note: The maximum supported key length for NPort devices is 2,048 bits.

- Here are some well-known third-party CA (Certificate Authority) companies for your reference (<u>https://en.wikipedia.org/wiki/Certificate_authority</u>):
 - IdenTrust (<u>https://www.identrust.com/</u>)
 - DigiCert (<u>https://www.digicert.com/</u>)
 - Comodo Cybersecurity (<u>https://www.comodo.com/</u>)
 - GoDaddy (<u>https://www.godaddy.com/</u>)
 - Verisign (<u>https://www.verisign.com/</u>)

* Certificate

Certificate Settings		
Issued to	10.144.8.226	
Issued by	10.144.8.226	
Valid	from 2000/3/4 to 2020/3/4	
Select SSL certificate file	Choose File No file chosen	Import
Delete SSL certificate file	Delete	

Total Solution for Industrial Device Ne	tworking		
≡ iP ≡ Serial No.	- 192 168 127 200 - 3348	= MAC Address = Firmware	- 00 90 E8 44 F0 E2 - 4 1 5 Build 19100215
Your changes have been saved. Click Restart to reboot the server. Your changes	K! will take effect when the server restarts.	restarting the server.	
	= IP = Serial No. *• Certificate Settings OI Your changes have been saved. Click Restart to reboot the server. Your changes If you would like to make additional changes, re	* Certificate Settings OK! Your changes have been saved. Click Restart to reboot the server. Your changes will take effect when the server restarts. If you would like to make additional changes, remember to save your configuration before	# IP - 192 188 127 200 # MAC Address. # Serial No. - 3348 # Firmware *• Certificate Settings OK! Your changes have been saved. Click Restart to reboot the server. Your changes will take effect when the server restarts. If you would like to make additional changes, remember to save your configuration before restarting the server.

3.3. Account Management

- The NPort 6000 Series provides two different user levels, administrator and user. With a Read Write account, you can access and modify all settings through the web console. With a user account, you can only view settings.
- The default administrator account is admin, and the default password is blank. To manage accounts, log in to the web console and select Administration → Account Management → User Account. To change the password of an existing account, click on the account name and select Edit in the top toolbar. Input the old password in the Password field and the new password in Confirm Password field to change the password.
- Through the administration account, admin, log in to NPort 6000 Series and perform the configuration settings. To change the default password (empty), log in to the HTTPS/SSH/Telnet console and select System Management → Account Management → User Account. When it comes to the Password part, input the old password and the new password twice (at least 4 characters) to change the password.

Change Password

Password

Old password

New password

Confirm password

User Management

User Name
User Old password

User New password

User Confirm password

Ser Confirm pas

Submit

To add new general users, log in to the HTTPS/SSH/Telnet console and select
 System Management → Maintenance → Change Password. At the User
 Management part, input the username, old password, and the new password twice to Add a new user, Change the password, or Delete an old user.

Add Account	
Active	
Account Name	
Password	
Confirm Password	
Group	administrator 🔻

Note: We suggest you manage your device with another "administrator level" account instead of using the default "admin" account, as it is commonly used by embedded systems. Once the new administrator level account has been created, it is suggested that the original "admin" account should be monitored for security reasons to prevent brute-force attacks.

Access Permission

Submit Cancel

Access Perm	ission						
						🕒 Add 💉 Edit 🏢	Delete 🗎 Sav
Group Name	Overview	Network Config	Serial Config	System Config	Administration	Log, Monitoring and Warning	Common Settings
administrator	Read Only	Read Write	Read Write	Read Write	Read Write	Read Write	Read Write
guest	Read Only	No Display	No Display	No Display	No Display	No Display	No Display
port_admin	Read Only	No Display	Read Write	Read Write	No Display	Read Write	Read Write

• To improve security, the login password policy and account login failure lockout can be configured. To configure them, log in to the HTTP/HTTPS console and select

System Management \rightarrow Misc. Settings \rightarrow Login Password Policy.

Account Password and Login Management

Account Password Policy	
Password minimum length	16 (4-16)
Password complexity strength check	Enable O Disable
At least one digit (0~9)	Enable O Disable
Mixed upper and lower case letters (A~Z, a~z)	Enable O Disable
At least one special character (~!@#\$%^&* ;:,.<>[]{}())	Enable O Disable
Password lifetime	1 (0 - 180 day; 0 for Disable)
Account Login Failure Lockout	
Account login failure lockout	Enable O Disable
Retry failure threshold	5 (1 - 10 retry)
Lockout Time	5 (1 - 60 min)

You should adjust the password policy to require more complex passwords. For example, set the **Minimum length** to 16, enable all password complexity strength checks, and enable the **Password lifetime** options. Also, to avoid brute-force attack, it's suggested that you enable the **Account login failure lockout** feature.

For some system security requirements, a warning message may need to be displayed to all users attempting to log in to the device. To add a login message, log in to the HTTPS console and select System Management → Misc. Settings → Notification Message, and enter a Login Message to use.

Notification Message		
Notification Message		
Login Message	Welcome to Moxa NPort	21 characters/Maximum 240 characters
Login Authentication Failure Message	Please contact administration if you have forgotten the password.	65 characters/Maximum 240 characters
Submit		

3.4. Accessible IP List

The NPort 6000 Series has a feature that can limit access to specific remote host IP addresses to prevent unauthorized access. If a host's IP address is in the accessible IP table, then the host will be allowed to access the NPort 6000 Series. To configure it, log in to the HTTPS console and select System Management → Accessible IP List.

Accessible IP List

Activate the accessible IP list (Operation modes are NOT allowed for the IPs NOT on the list)
 Apply additional restrictions (All device services are NOT allowed for the IPs NOT on the list)

No.	Active	IP Address	Netmask/Prefix
1			
2			
3			
4			
5			
6			

- You may add a specific address or range of addresses by using a combination of an IP address and a netmask as follows:
 - **To allow access to a specific IP address:** Enter the IP address in the corresponding field, then enter 255.255.255.255 for the netmask.
 - To allow access to hosts on a specific subnet: For both the IP address and netmask, use 0 for the last digit (e.g., "192.168.1.0" and "255.255.255.0").
 - To allow access to all IP addresses: Make sure that the Enable checkbox for the Accessible IP List is not checked.

Additional configuration examples are shown in the following table:

Desired IP Range	IP Address Field	Netmask Field
Any host	Disable	Enable
192.168.1.120	192.168.1.120	255.255.255.255
192.168.1.1 to 192.168.1.254	192.168.1.0	255.255.255.0
192.168.1.1 to 192.168.255.254	192.168.0.0	255.255.0.0
192.168.1.1 to 192.168.1.126	192.168.1.0	255.255.255.128



Ensure that the IP address of the PC you are using to access the web console is in the **Accessible IP List**.

3.5. Logging and Auditing

• These are the events that will be recorded by the NPort 6000 Series:

Event Group	Summary				
System	System cold start, System warm start				
	DHCP/BOOTP gets IP/renew, NTP connect failed, IP conflict, Network link				
Network	down				
	Login failed, IP changed, Password changed, Firmware upgraded, Certificate				
Configuration	imported, Configuration imported or exported, Configuration changed, Clear				
	event logged				
OpMode	Connect, Disconnect, Authentication Fail, Restart				

• To configure this setting, log in to the HTTPS console and select **System**

Management \rightarrow **System Log Settings**. Then, enable the **Local Log** for recording on the NPort 6000 device and/or **Syslog** for keeping records on a server. You should enable system log settings to record all important system events to monitor device status and check for security issues.

System Log Settings								
Event Group	Local Log	Remote Log	Summary					
System			System Cold Start, System Warm Start					
Network	V		DHCP/BOOTP/PPPoE Get IP/Renew, NTP, Mail Fail, NTP Connect Fail, IP Conflict, Network Link Down					
Config			Login Fail, IP Changed, Password Changed, Config Changed, Firmware Upgrade, SSL Certificate Import, Config Import, Config Export					
OpMode			Connect, Disconnect, Authentication Fail, Restart					
Submit								

• To view events in the system log, log in to the HTTP/HTTPS console and select

System Monitoring → System Log.

System Log

2014/02/07 12:36:25 [System] System Warm Start	
2014/02/07 12:36:28 [Network] DHCP/BOOTP/PPPoE Get IP/Renew	
2014/02/07 12:36:36 [Network] Get IP Fail (IPv6)	
2014/02/10 04:40:32 [System] System Cold Start	
2014/02/10 04:40:43 [Network] Get IP Fail (IPv6)	
2014/02/10 05:18:18 [Network] DHCP/BOOTP/PPPoE Get IP/Renew	
2014/02/20 09:10:33 [System] System Cold Start	
2014/02/20 09:10:44 [Network] Get IP Fail (IPv6)	
2014/02/24 04:50:09 [System] System Cold Start	
2014/02/24 04:50:20 [Network] Get IP Fail (IPv6)	
2014/02/24 13:54:11 [Network] DHCP/BOOTP/PPPoE Get IP/Renew	
2014/03/10 07:18:33 [System] System Cold Start	
2014/03/10 07:18:49 [Network] Get IP Fail (IPv6)	
2014/03/10 09:54:20 [Config] Config Changed	
2014/03/10 09:54:35 [System] System Warm Start	
2014/03/10 09:54:46 [Network] Get IP Fail (IPv6)	
2014/03/10 09:56:15 [Config] Config Changed	
2014/03/10 09:56:18 [Config] IP Changed	
2014/03/10 09:56:30 [System] System Warm Start	

Select all Clear log Refresh

4. Patching/Upgrades

4.1. Patch Management

With regards to patch management, Moxa releases version enhancements annually with detailed release notes.

4.2. Firmware Upgrades

The process for upgrading firmware is as follows:

- Download the latest firmware for your MGate device from the Moxa website:
 - Firmware for the NPort 6100/6200 Series: <u>https://www.moxa.com/en/products/industrial-edge-connectivity/serial-device-</u> <u>servers/terminal-servers/nport-6100-6200-series#resources</u>
 - Firmware for the NPort 6400/6600 Series: <u>https://www.moxa.com/en/products/industrial-edge-connectivity/serial-device-</u> <u>servers/terminal-servers/nport-6400-6600-series#resources</u>
- Log in to the HTTPS console and select System Management → Maintenance → Firmware Upgrade. Click the Choose File button to select the proper firmware and click Submit to upgrade the firmware.

Firmware Upgrade

 III Warning III
 Note: Firmware upgrade will discard your un-saved configuration changes and restart the system!

 Select firmware file
 Choose File
 No file chosen

 Submit
 Submit
 Submit

• If you want to upgrade the firmware for multiple units, download the Device Search Utility (DSU) or MXconfig for a GUI interface, or the Moxa CLI Configuration Tool for a CLI interface.

FILTER Operating System -	All Driver	Firmware Library	Software Package Utility	
NAME	TY	PE VER	SION ∽ OPERATING SYSTEM	RELEASE DATE ❤
Device Search Utility 1.1 MB	, Util	ity v2.3	- Windows 10 - Windows 2000 - Windows 7 Show More	Sep 01, 2019 Release notes
Moxa CLI Configuration Tool for Linux 8.1 MB	↓ Util	ity v1.1	- Linux Kernel 2.6 x - Linux Kernel 3.x - Linux Kernel 4.x	Jan 17, 2019 Release notes
Moxa CLI Configuration Tool for Windows 1.4 MB	.↓ Util	ity v1.1	- Windows 10 - Windows 7 - Windows 8 Show More	Jan 16, 2019 Release notes
PComm Lite - Serial Communication Tool for Windows 1.6 MB	, Util	ity v1.6	- Windows 2000 - Windows 7 - Windows Server 2003 Show More	May 13, 2012 Release notes
MXconfig 118.1 MB	, ⊥ Sof	tware Package v2.6	- Windows 10 - Windows 7 - Windows 8 Show More	May 29, 2020 Release notes

- If you need instructions on using the Moxa CLI Configuration Tool, download the manual.
 - Manual for the NPort 6100/6200 Series: <u>https://www.moxa.com/en/products/industrial-edge-connectivity/serial-device-servers/terminal-servers/nport-6100-6200-series#resources</u>
 - Manual for the NPort 6400/6600 Series: <u>https://www.moxa.com/en/products/industrial-edge-connectivity/serial-device-</u> <u>servers/terminal-servers/nport-6400-6600-series#resources</u>

5. Security Information and Vulnerability Feedback

As the adoption of the Industrial IoT (IIoT) continues to grow rapidly, security has become one of the top priorities. The Moxa Cyber Security Response Team (CSRT) is taking a proactive approach to protect our products from security vulnerabilities and help our customers better manage security risks.

You can find the latest Moxa security information here: <u>https://www.moxa.com/en/support/product-support/security-advisory</u>