# **MXconfig Series**

Industrial network configuration tool



#### **Features and Benefits**

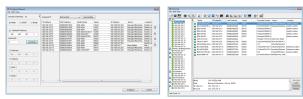
- Mass managed function configuration increases deployment efficiency and reduces setup time
- · Mass configuration duplication reduces installation costs
- · Link sequence detection eliminates manual setting errors
- Configuration overview and documentation for easy status review and management
- Three user privilege levels enhance security and management flexibility<sup>1</sup>

# Introduction

Moxa's MXconfig is a comprehensive Windows-based utility that is used to install, configure, and maintain multiple Moxa devices on industrial networks. This suite of useful tools helps users set the IP addresses of multiple devices with one click, configure the redundant protocols and VLAN settings, modify multiple network configurations of multiple Moxa devices, upload firmware to multiple devices, export or import configuration files, copy configuration settings across devices, easily link to web and Telnet consoles, and test device connectivity. MXconfig gives device installers and control engineers a powerful and easy way to mass configure devices, and it effectively reduces the setup and maintenance cost.

#### **Device Discovery and Fast Group Configuration**

- Easy broadcast search of the network for all supported Moxa managed Ethernet devices
- Mass network setting (such as IP addresses, gateway, and DNS) deployment reduces setup time
- Deployment of mass managed functions increases configuration efficiency
- · Security wizard for convenient setup of security-related parameters
- Multiple grouping for easy classification<sup>1</sup>
- User-friendly port selection panel provides physical port descriptions<sup>1</sup>
- VLAN Quick-Add Panel speeds up setup time<sup>1</sup>
- Deploy multiple devices with one click using CLI execution



**Network Setting** 

**Multiple Grouping** 



Security Wizard

#### **Fast Configuration Deployment**

• Quick configuration: copies a specific setting to multiple devices and changes IP addresses with one click

<sup>1.</sup> This feature is only available in the Java-supported version of MXconfig.



## **Link Sequence Detection**

- Link sequence detection eliminates manual configuration errors and avoids disconnections, especially when configuring redundancy protocols, VLAN settings, or firmware upgrades for a network in a daisy-chain topology (line topology).
- Link Sequence IP setting (LSIP) prioritizes devices and configures IP addresses by link sequence to enhance deployment efficiency, especially in a daisy-chain topology (line topology).



Analyze Topology

#### **Unlock Devices and User Privileges**

- Mass device unlocking and password file export for quick unlocks.
- Three user privilege levels to enhance management flexibility and security: Admin, Supervisor, and Operator.<sup>2</sup>

#### **Configuration Overview and Documentation**

- Useful mass status overview and configuration check for each managed function.
- Generate reports on each managed function for multiple devices in the network.<sup>2</sup>
- Export multiple configuration files with flexible filenames and import multiple configuration files to multiple devices.
- Export device list for easy backup, and import device list for quick searching<sup>2</sup>

Devices		RS/IP Tarbo Ring	Turba Ring 12 Ta	rto Chain			
	Actived Protocol	Ring 1 Emplie	Ring 1 Mapher	Ring 1 Post		Ring 1 Broken	Ring 2 En
182.168.127.1	Turbe Ring 1/2	Enable	10	2	forwarding forwarding	normat	Disable
82.158.127.2	Durbe Ring V2	Crable	00	1	forwarding forwarding	nomal	Disable
82.168.127.3	Turbe Ring 1/2	Enable	-	§	forwarding forwarding	normal	Disatile
82.108.127.4	Turbe Ring 1/2	Enable	00	3	forwarding forwarding	normal	Disable
82.958.127.5	Durbe Ring 1/2	Enable	10	§	forwarding forwarding	nomel	Disable
82.108.127.6	Turbe Ring 1/2	Enable	00	-	forwarding forwarding	normal normal normal normal normal	Disable
92.958.927.7	Durbe Ring 1/2	Crable	10	§	forwarding forwarding		Disable
182.168.127.8	Turbe Ring 12	Erable	00	1	forwarding forwarding		Disable
92.158.127.9	Turbe Ring 1/2	Crable	10	§	forwarding		Disable
82,168,127,10	Turbe Ring 12	Enable	00	1	forwarding forwarding		Disable
82.158.127.11	Turbe Ring 1/2	Enable	00	8	forwarding forwarding	normal	Disable
82.168.127.12	Durbe Ring 12	Enable	100	1	forwarding .	nomal nomal nomal	Disable
R2.108.127.13	Turbe Ring 1/2	Enable	744	8	forwarding blocking		Disable
82.958.927.94	Durbe Ring 1/2	Cruble		§	forwarding		Disable
82.168.127.15	Turbe Ring 12	Enable		§	forwarding forwarding	normal	Disable
<				-			
hogene				1205			

Status Overview

	A	B	С	D	E	F	G	н	1	J	K	L	M	
1	IP	Actived Protocol	Ring 1 Enable	Ring 1 Master	Ring 1 Port	Ring 1 Broken	Ring 2 Enable		Ring 2 Port	Ring 2 Broken	Coupling Enable	Coupling Mode	Coupling Port	
2	192.168.127.1	Turbo Ring V2	Enable	no	1 forwarding 2 forwarding	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	
3	192.168.127.2	Turbo Ring V2	Enable	no	1 forwarding 2 forwarding	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	
4	192.168.127.3	Turbo Ring V2	Enable	no	1 forwarding 2 forwarding	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	
5	192.168.127.4	Turbo Ring V2	Enable	no	1 forwarding 2 forwarding	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	
6	192.168.127.5	Turbo Ring V2	Enable	no	1 forwarding 2 forwarding	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	
7	192.168.127.6	Turbo Ring V2	Enable	no	1 forwarding 2 forwarding	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	
8	192.168.127.7	Turbo Ring V2	Enable	no	1 forwarding 2 forwarding	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	
9	192.168.127.8	Turbo Ring V2	Enable	no	1 forwarding 2 forwarding	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	
10	192.168.127.9	Turbo Ring V2	Enable	no	1 forwarding 2 forwarding	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	
11	192.168.127.10	Turbo Ring V2	Enable	yes	1 forwarding 2 blocking	normal	Disable	no	1 notRedundant 1 notRedundant	N/A	Disable	Dual Homing	1 notRedundant 1 notRedundant	

File Export

## **Specifications**

#### Hardware Requirements

RAM	2 GB
Hardware Disk Space	10 GB
OS	Windows 7 (32/64-bit), Windows 10 (32-64-bit), Windows Server 2012 (32/64-bit)
CPU	2 GHz or faster dual-core CPU

2. This feature is only available in the Java-supported version of MXconfig.



## Supported Devices

Supported Devices	
AWK Products	MXconfig Java Version: AWK-1121 Series (v1.4 or higher) AWK-1127 Series (v1.4 or higher) AWK-1131A Series (v1.11 or higher) AWK-1137C Series (v1.3 or higher) AWK-3121 Series (v1.10 or higher) AWK-3121-SSC-RTG Series (v1.4 or higher) AWK-3121-M12-RTG Series (v1.4 or higher) AWK-3131 Series (v1.2 or higher) AWK-3131-M12-RCC Series (v1.0 or higher) AWK-3131A Series (v1.3 or higher) AWK-3131A-RTG Series (v1.8 or higher) AWK-4121 Series (v1.10 or higher) AWK-4131 Series (v1.2 or higher) AWK-4131 Series (v1.3 or higher) AWK-4131 Series (v1.3 or higher) AWK-4131 A Series (v1.3 or higher) AWK-4131 A Series (v1.3 or higher) AWK-6222 Series (v1.7 or higher) AWK-6232 Series (v1.3 or higher)
EDR Products	MXconfig Java Version: EDR-810 Series (v3.2 or higher) EDR-G902 Series (v4.2 or higher) EDR-G903 Series (v4.2 or higher) MXconfig Non-Java Version: EDR-810 Series (v3.2 or higher) EDR-G902 Series (v4.2 or higher) EDR-G903 Series (v4.2 or higher) EDR-G9010 Series (v1.0 or higher)
EDS Products	MXconfig Java Version: EDS-405A/408A-EIP Series (v3.1 or higher) EDS-405A/408A-FIN Series (v3.1 or higher) EDS-405A/408A-FIN Series (v3.1 or higher) EDS-505A/508A/516A Series (v3.1 or higher) EDS-505A/508A/516A Series (v3.1 or higher) EDS-510A Series (v3.1 or higher) EDS-510A Series (v3.1 or higher) EDS-510E/518E Series (v4.0 or higher) EDS-528E Series (v4.0 or higher) EDS-6508E/G512E/G516E Series (v4.0 or higher) EDS-6608E/G512E/G516E Series (v4.0 or higher) EDS-6608/611/616/619 Series (v3.1 or higher) EDS-6302 Series (v3.1 or higher) EDS-6302 Series (v3.1 or higher) EDS-728 Series (v3.1 or higher) EDS-728 Series (v3.1 or higher) EDS-728 Series (v3.1 or higher) EDS-729 Series (v3.1 or higher) EDS-7510 Series (v3.1 or higher) EDS-7506A-4POE Series (v3.1 or higher) EDS-7506E-4POE Series (v3.1 or higher) EDS-7506E-4POE Series (v3.1 or higher) EDS-405A/408A Series (v3.1 or higher) EDS-405A/408A-EIP Series (v3.1 or higher) EDS-405A/408A-EIP Series (v3.1 or higher) EDS-505A/508A/516A Series (v3.1 or higher) EDS-510A Series (v3.1 or higher) EDS-510A Series (v3.1 or higher) EDS-510A Series (v3.1 or higher) EDS-505A/508A/516A Series (v3.1 or higher) EDS-510E/518E Series (v4.0 or higher) EDS-510E/518E Series (v4.0 or higher) EDS-510E/518E Series (v4.0 or higher) EDS-510E/518E Series (v4.0 or higher) EDS-528E Series (v3.1 or higher) EDS-528E Series (v3.1 or higher) EDS-605A/611/616/619 Series (v3.1 or higher) EDS-605A/611/616/619 Series (v3.1 or higher) EDS-605A/611/616/619 Series (v3.1 or higher) EDS-605A/611/616/619 Series (v3.1 or higher) EDS-612E-8POE Series (v3.1 or higher) EDS-612E-8POE Series (v3.1 or higher) EDS-628E Series (v3.1 or higher) EDS-628E Series (v3.1 or higher) EDS-628E Series (v3.1 or higher) EDS-728 Series (v3.1 or higher) EDS-5266A-4POE Series (v3.1 or higher) EDS-5506A-4POE Series (v3.1 or higher) EDS-5506A-4POE Series (v3.1 or higher) EDS-5506A-4POE Series (v3.1 or higher) EDS-F506A-4POE Series (v3.1 or higher)



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	MGate Products	MGate MB3170/MB3270 Series (v4.2 or higher) MGate MB3180 Series (v2.2 or higher) MGate MB3280 Series (v4.1 or higher) MGate MB3480 Series (v3.2 or higher) MGate MB3660 Series (v2.5 or higher)



	MGate EIP3270 Series (v2.0 or higher) MGate 5101-PBM-MN Series (v2.2 or higher) MGate 5102-PBM-PN Series (v2.3 or higher) MGate 5103 Series (v2.2 or higher) MGate 5105-MB-EIP Series (v4.3 or higher) MGate 5108 Series (v2.4 or higher) MGate 5208 Series (v2.4 or higher) MGate 5109 Series (v2.3 or higher) MGate 5111 Series (v1.3 or higher) MGate 5114 Series (v1.3 or higher) MGate 5118 Series (v2.2 or higher) MGate 5118 Series (v2.2 or higher) MGate 5217 Series (v1.0 or higher)
NPort Products	MXconfig Java Version: NPort S8000 Series (v1.3 or higher) NPort S9000 Series (v1.0 or higher) NPort 5110 Series (v3.8 or higher) NPort 5130/5150 Series (v3.8 or higher) NPort 5000Al-M12 Series (v1.4 or higher) NPort 5000 Series (v2.10 or higher) NPort 5200 Series (v2.10 or higher) NPort 5400 Series (v3.13 or higher) NPort 5400 Series (v3.9 or higher) NPort 5100A Series (v1.5 or higher) NPort 5100A Series (v1.5 or higher) NPort 5610-8-DT/5610-8-DT-J/5650I-8-DT/5650I-8-DT/5650-8-DT-J Series (v2.6 or higher) NPort 5610-8-DTL/5650I-8-DTL/5650I-8-DTL Series (v1.5 or higher) NPort 5610-8-DTL/5650I-8-DTL Series (v1.5 or higher) NPort 1A5000 Series (v1.6 or higher) NPort IA5150A/IA5150AI/IA5250A/IA5250AI Series (v1.4 or higher) NPort 1A5450A/IA5450AI Series (v1.6 or higher) NPort 6000 Series (v1.21 or higher)
PT Products	MXconfig Java Version: PT-7528 Series (v3.1 or higher) PT-7710 Series (v3.1 or higher) PT-7728 Series (v3.1 or higher) PT-7828/7828-PTP Series (v3.1 or higher) PT-67509 Series (v3.1 or higher) PT-67509 Series (v3.1 or higher) PT-67728 Series (v5.4 or higher) PT-G7828 Series (v5.4 or higher) PT-7528 Series (v5.4 or higher) PT-7528 Series (v3.1 or higher) PT-7710 Series (v3.1 or higher) PT-7728 Series (v3.1 or higher) PT-7728 Series (v3.1 or higher) PT-7828/7828-PTP Series (v3.1 or higher) PT-67509 Series (v3.1 or higher) PT-67509 Series (v3.1 or higher) PT-67728 Series (v3.1 or higher) PT-67728 Series (v3.1 or higher) PT-67728 Series (v3.1 or higher) PT-67728 Series (v3.1 or higher)
TAP Products	MXconfig Java Version: TAP-213 Series (v1.2 or higher) TAP-323 Series (v1.8 or higher)
TN Products	MXconfig Java Version: TN-4500A Series (v3.5 or higher) TN-5508/5510 Series (v3.1 or higher) TN-5516/5518 Series (v3.1 or higher) TN-5916 Series (v1.2 or higher) MXconfig Non-Java Version: TN-4500A Series (v3.5 or higher) TN-4908 Series (v1.0 or higher) TN-5508/5510 Series (v3.1 or higher) TN-5516/5518 Series (v3.1 or higher) TN-5916 Series (v1.2 or higher) TN-66500 Series (v5.0 or higher)



MXconfig Java Version: VPort 26A-1MP Series (v1.2 or higher) VPort 36-1MP Series (v1.1 or higher) VPort P06-1MP-M12 Series (v2.2 or higher)

WAC Products

MXconfig Java Version: WAC-1001 Series (v2.1 or higher) WAC-2004 Series (v1.6 or higher)

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