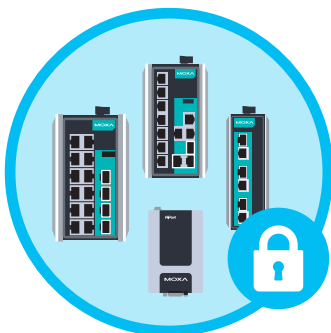


# Checklist for Industrial Cybersecurity

Moxa has compiled the following checklist to ensure that you do not forget any of the defense-in-depth security measures.



## Secure Devices

- ☐ Does your device provide password protection?
- ☐ Does your device check password strength?
- ☐ Can your device verify authorized access and prevent unwanted connections from other devices?
- ☐ Can your device encrypt confidential serial interface data to ensure data integrity?
- ☐ Can your device check the configurations of files before configuring them?
- ☐ Can your device vendor quickly report and fix vulnerabilities?



## Secure Network Infrastructure

- ☐ Does your network system contain many access points (like unused Ethernet ports)?
- ☐ Is your network system able to authorize and prevent unauthorized access?
- ☐ Does your network system provide secured data transmission, such as VPN tunnels?
- ☐ Is your industrial network system able to filter and control data transmission by deploying industrial firewalls, VLAN, or ACL for industrial protocol/IP/MAC filtering?



## Security Management

- ☐ Have you created security policies for your industrial network and field site device?
- ☐ Have you defined the security functions and levels your network devices must apply?
- ☐ Can you continuously scan the security status of all your industrial devices to ensure that your entire network is secure?
- ☐ Are you able to monitor your network topology and control the addition of any new devices?
- ☐ Do your devices save all event logs for reference in the event of security breaches?
- ☐ Have you prepared tools to trace network configuration changes in case someone maliciously changes your network?

For more detailed information about Moxa's industrial cybersecurity solutions, please download

**Case Studies About Enhancing Industrial Cybersecurity**

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# Defense-in-Depth Solutions for Industrial Cybersecurity

Moxa has developed industrial cybersecurity solutions based on the defense-in-depth approach that keep your your industrial networks secure.

### Secure Devices

Your industrial control networks need secure devices with enhanced security functions to mitigate risks.

#### IEC-62443 Device Security Solution

- User Authentication**  
Verify User's Identification (Account/ Password, RADIUS, MAC Check)
- Device Security**  
Password Strength Checker/ Login Failed Account Lockout/ Auto Lockout/ FWR Check
- Device Connection Security**  
Port Lock/ Trusted Access (IP Whitelist)
- Vulnerability Management**  
Cyber Security Response Team (CSRT) to Quick Fix Device Vulnerability

**EDS-500E Series**  
Industrial Managed Ethernet Switches

**NPort 6000 Series**  
Secure Terminal Servers

### Secure Network Infrastructure

You need industrial-grade networking devices with enhanced security features and industrial firewalls for highly reliable, non-stop operations.

**EDR-810/G902/G903 Series**  
Industrial Secure Routers

#### Defense-in-Depth Protection

### Security Management

To view your network security status at a glance you need network management software.

IP Address	Security Level
192.168.127.1	High (IEC-62443-4-2 LV2)
192.168.127.2	High (IEC-62443-4-2 LV2)
192.168.127.3	High (IEC-62443-4-2 LV2)
192.168.127.4	Medium (IEC-62443-4-2 LV1)
192.168.127.5	Medium (IEC-62443-4-2 LV1)
192.168.127.6	Basic (General baseline)
192.168.127.7	Basic (General baseline)
192.168.127.8	Basic (General baseline)

**Event Playback** **VLAN Visualization**

**MXview**  
Industrial Network Management Software

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