



Introducing Our All-new G2 Series

Built to Connect, Hardened to Protect

From hardware-based Secure Boot to encrypted communications, Moxa's all-new G2 NPort and MGate products are compliant with IEC 62443-4-2 Security Level 2 requirements, ensuring built-in security and continuous firmware updates and patches to protect against evolving threats.



NPort 6000-G2 Series
Secure Terminal Servers



NPort IA5000-G2 Series
Industrial Device Servers



MGate MB3x70-G2 Series
Advanced Modbus Gateways

Your Trusted Partner in Automation

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 35 years of industry experience, Moxa has connected more than 118 million devices worldwide and has a distribution and service network that reaches customers in more than 87 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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Connecting Industries, Enabling a Smarter Future

Trusted Solutions for Networking, Connectivity,
and Computing



Industrial
Network Infrastructure



Industrial
Edge Connectivity



Industrial
Computing

Seamless Connectivity, Smarter Industries

As AI, IIoT, 5G, and Industry 4.0 reshape industrial operations through modern networking, Moxa offers a comprehensive, one-stop portfolio designed to accelerate digital transformation with simplicity, security, and reliability.

By converging IT and OT networks, edge connectivity, and industrial computing, Moxa delivers a security-hardened foundation that enables seamless, robust collaboration between machines, systems, and people.

From device-level connectivity and resilient networking to intelligent edge computing, Moxa empowers customers worldwide to connect everything, reduce complexity, and maximize uptime—driving efficient, dependable automation today and into the future.

Why Moxa

Proven Reliability

Tested by Time,
Trusted by Industries

Proven worldwide through decades of real-world performance, Moxa's solutions deliver industry-trusted reliability in the harshest environments. Supported by extensive third-party certifications and our in-house Reliability Center, our lab-validated, customer-centric approach ensures lasting durability and uninterrupted operational continuity.

Enhanced Security

Certified Development Process,
Multi-layer Protection

Moxa delivers defense-in-depth cybersecurity across devices and network management layers. Our IEC 62443-4-1 certified product development life-cycle process and deep OT expertise, enable us to provide real-time visibility, in-depth protection, and intelligent response to cyber threats.

Ease of Use

Built Smart,
Simplified for Usability

Ease of use is key to bridging IT/OT silos. Our IT/OT-ready solutions streamline integration and operations across heterogeneous, multi-generation devices. With compact design, intuitive UI/UX, integrated features, and smart management, Moxa solutions accelerate deployment, diagnostics, and troubleshooting for usability.

Enabling Ecosystem Advancement

Moxa is committed to operational excellence and technological advancement through long-term engagement in industry standards and organizations. Through strategic global collaborations, we strengthen our solutions by delivering continuous innovation and shared expertise to our customers, project partners, and industry organizations.



Product Portfolio at a Glance ▶



Industrial Network Infrastructure

Page 5-8

- Ethernet Switches
- Wireless AP/Bridge/Client
- Cellular Gateways/Routers
- Ethernet Media Converters
- Secure Routers
- Secure Remote Access
- Network Security Appliance
- Network Management Software



Industrial Edge Connectivity

Page 9-10

- Serial Device Servers
- Serial Converters
- USB-to-serial Converters/USB Hubs
- Protocol Gateways
- Multiport Serial Boards
- Controllers & I/Os



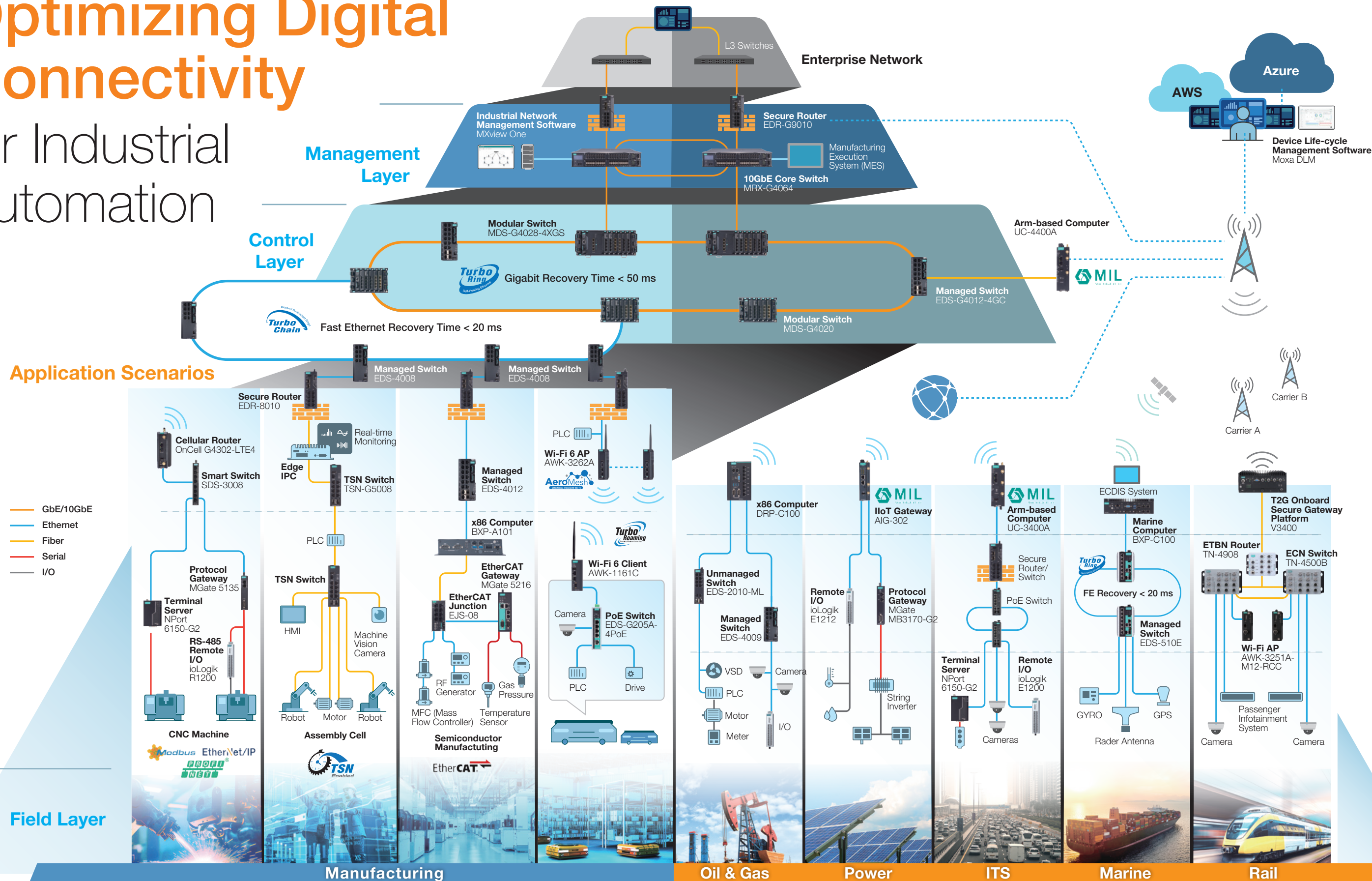
Industrial Computing

Page 11-12

- x86 Computers
- Arm-based Computers
- IIoT Gateways
- Panel PCs
- System Software



Optimizing Digital Connectivity for Industrial Automation



One Network, Total Convergence

Moxa delivers industrial-grade wired and wireless infrastructure that aggregates and adapts evolving IT and OT communications into a single, scalable architecture. By removing traditional IT/OT barriers, Moxa enables OT and IT teams to collaborate effectively, accelerating decision-making, enhancing operational reliability and efficiency.



■ Ethernet Switches

Built for IT/OT convergence, Moxa's full portfolio of industrial switches simplifies edge-to-core deployment across a wide range of specialized industries. Delivering resilient connectivity, end-to-end visibility, and standards-aligned security, our switches deliver reliable performance and quality even in harsh operating environments.

- Rich FE, GbE, and 10GbE copper, fiber, and PoE options
- Network recovery in milliseconds
- Built-in interoperability across SCADA/PLC protocols
- Smart PoE functions for remote PD monitoring and reboot



■ Ethernet Media Converters

Moxa's standalone and high-density modular Ethernet media converters extend network reach with both flexibility and reliability. Our standalone Ethernet-to-fiber models offer plug-and-play operation and interference-free links up to 80 km, providing Gigabit speeds and high-power PoE in harsh environments.

- Easy deployment with high EMI immunity
- Clear link status via LEDs and Link Fault Pass-Through
- Diverse industry certifications
- -40 to 75°C operating temperature



SDS-3000/G3000 Series Industrial Smart Switches

- Up to 16 ports with GbE/FE/PoE+ options
- Simplified SCADA/HMI integration via one-step industrial protocol setup
- Supports RSTP/STP and MRP redundancy
- -40 to 75°C operating temperature

■ Wireless AP/Bridge/Client

Our industrial Wi-Fi portfolio supports 802.11a/b/g/n/ac/ax for robust wireless performance across devices and budgets. Wi-Fi 6 APs offer AeroMesh and strong backward compatibility, boosting speed and capacity in harsh, high-density environments.

- AP-agnostic client-based Turbo Roaming for less than 150 ms handover times
- Compact design with enhanced EMC and antenna protection for reliable integration
- Built-in 2.4/5 GHz band-pass filter to minimize out-of-band interference
- EN 18031-1 RED Cybersecurity Compliance



AWK-116x/3262A/4262A Series Industrial Wi-Fi 6 APs/Clients

- Concurrent dual-band Wi-Fi with aggregated data rates up to 1.775 Gbps
- Adaptive self-forming, self-healing, and controller-agnostic mesh network with AeroMesh
- Supports the latest WPA3 data encryption and network address translation (NAT)
- IP68-rated housing and -40 to 75°C operating temperature range



■ Cellular Gateways/Routers

Specializing in rugged design and adherence to industrial certifications, Moxa's OnCell Series 4G/5G solutions deliver resilient cellular, Ethernet, and serial connectivity for distributed mission-critical applications. OT-centric security and seamless remote access protect operational resilience in harsh environments.

- Dual SIM failover and auto connection recovery for reliable cellular connectivity
- Industrial network protection with firewall and Deep Packet Inspection (DPI)
- Centralized monitoring and remote access with Moxa Remote Connect (MRC)



Solid Security, Simplified Management

Moxa delivers a secure-by-design portfolio with pre-hardened protections developed using our IEC 62443-4-1 certified product life cycle development process. Routers with multi-layer IPS/IDS and centralized security management further reinforce and simplify defense-in-depth security for industrial automation and control systems.



Secure Routers

Moxa's routers integrate firewall, NAT, VPN, and routing into a single platform to protect critical assets and enable secure remote access. Powered by MX-ROS and MXsecurity, the routers deliver proactive cyber defense with real-time threat monitoring and synchronized IPS/IDS updates. Flagship EDR and TN models are IEC 62443-4-2 Security Level 2 certified, ensuring industrial-grade cybersecurity protection. For industry-specific applications, the EDR Series complies with key marine cybersecurity standards, including IACS UR E26/E27 and IEC 61162-460, and TN Series routers provide IEC 61375-2-5 compliant security for railway systems.

- Virtual patching via IPS with automated signature updates
- OT-centric deep packet inspection (DPI)
- Zero-touch high availability (HA) redundancy with auto-pairing
- Certified for oil & gas, power, marine, and rail applications



EDR-G9004 Series 4-port GbE Industrial Secure Routers

- All-in-one firewall/NAT/VPN/router
- Dual WAN redundancy
- Supports IPS, IDS, and DPI
- Supports MXsecurity for security update and monitoring

Secure Remote Access

Moxa Remote Connect (MRC) offers simple, scalable, and encrypted remote connectivity to securely connect field machines and off-site engineers, streamlining monitoring, maintenance, and troubleshooting.

- Easy-to-use setup for encrypted remote access
- Integrates digital and physical access control to protect remote operations
- Supports up to 10 groups and 3,000 nodes for scalable remote collaboration
- Supports two-factor authentication and WireGuard VPN



Network Security Appliance

Powered by the MXsecurity platform, Moxa's network security portfolio—including the EDF Series IPS firewall and EDR Series router firewall—delivers real-time threat detection and continuous protection by combining LAN firewall security, OT-centric DPI, and advanced IPS/IDS technologies to safeguard critical assets and network zones.

- Plug-and-play deployment with default threat protection enabled
- Seamless upgrade cybersecurity level for machines and cabinets
- Inline protection and offline detection operation modes
- Compact size ideal for space-constrained legacy systems



Network Management Software

MXview One is an IT/OT-friendly network management platform that delivers real-time visibility to speed deployment, harden security, and maximize availability, ensuring faster responses for continuous uptime. Its Central Manager can centralize multiple MXview One sites into a single dashboard for maximum operational efficiency.

- Live topology monitoring and alerts
- Single-pane-of-glass management across systems
- Detect default passwords and disable unused ports and unsecured link
- Scale with MXview One Central Manager, and add-on like MXview Wireless and MXview Power



Simplify Integration of Data Silos

Integrating data silos requires more than plug-and-play deployment—it demands effortless usability, robust security, and industrial-grade reliability. Moxa leverages decades of expertise, wide range of protocol and interface support, and long-term driver maintenance to enable seamless interoperability across heterogeneous systems.



Serial Device Servers

Connecting over 50 million serial devices to Ethernet networks, NPort device servers offer a broad portfolio to help industries modernize legacy infrastructures for digital operations. Combining proven reliability, intuitive deployment, long-term support, and IEC 62443-4-2 Security Level 2 certification, NPort device servers continue to deliver trusted connectivity with ongoing advancements.

- Serial-optimized ASIC for high performance data handling
- Built-in web diagnostics and traffic monitoring for effortless serial-to-Ethernet troubleshooting
- Long-term support for drivers across Windows, Linux, Mac OS, and Android
- IEC 62443-4-2 Security Level 2 certified (selected models)



USB-to-serial Converters/USB Hubs

Our USB-to-serial converters and industrial USB hubs deliver flexible, plug-and-play expansion for field devices. Certain models feature dual power inputs, rugged metal housing, and 15 kV ESD protection for reliable operation in harsh environments, ideal for medical equipment, field sensors, camera connectivity, and industrial-grade USB expansion.

- 1 to 16 port USB-to-serial converters
- 4- and 7-port USB 3 hubs up to 5 Gbps data rates
- LED indicators for easy monitoring
- Enhanced EMI immunity and wide operating temperature range



Serial Converters

With a broad portfolio, Moxa's serial converters bridge heterogeneous devices across serial, Fieldbus, and fiber media. Proven in field operations, our industrial-grade solutions deliver extended reach, strong noise immunity, and rugged reliability for mixed-media networks.

- Supports media conversion between serial, fiber optic, Fieldbus, and CAN
- Single-mode fiber transmission up to 40 km
- High EMI immunity
- Wide operating temperature ranges



NPort 6150-G2 Series RS-232/422/485 Secure Terminal Servers

- World's first serial device server to attain the IEC 62443-4-2 Security Level 2 certification
- RFC-compliant syslog with ISO timestamps for secure audits
- Built-in web diagnostics and traffic monitoring for effortless serial-to-Ethernet troubleshooting
- IT-ready integration with authentication, syslog, and CLI maintenance tool

Protocol Gateways

Moxa's MGate gateways simplify network integration by converting protocols such as Modbus, DNP3, CANopen, PROFIBUS, PROFINET, EtherNet/IP, EtherCAT, BACnet, and IEC 61850. With 1–16 port density, web-based configuration, diagnostics, and industrial certifications, MGate gateways deliver reliable, scalable, and uninterrupted performance in harsh environments.

- Easy configuration via web-based console
- Embedded traffic monitoring/diagnostics for easy troubleshooting
- Security features referencing IEC 62443-4-2 Security Level 2
- Up to 2 kV isolation protection on serial, Ethernet, and power interfaces



MGate MB3x70-G2 Series Advanced Modbus Gateways

- Faster data polling with agent-mode cache
- Seamless integration via standard and non-standard Modbus extensions
- Built-in security with Secure Boot function
- Compliance with IEC 62443-4-2 Security Level 2 requirements
- Easy maintenance through web-based troubleshooting and protocol diagnostics

Multiport Serial Boards

Less is more with Moxa's multiport serial boards that simplify legacy integration by connecting multiple devices to a single system. Supporting PCI, PCIe, Mini PCIe, and PC/104 interfaces, our industrial-grade boards deliver the reliability and scalability needed for ever-changing automation applications.

- Simplifies connectivity for RS-232/422/485 and CANbus devices
- Industrial-grade reliability with ESD and surge protection
- Long-term multi-OS driver support for serial connectivity
- -40 to 85°C operating range on selected models



Controllers & I/Os

Moxa's industrial controllers and I/Os turn field data into reliable edge-to-cloud automation. From slim remote I/Os to high-density modular controllers, they simplify data acquisition, control, and communication with proactive monitoring and seamless OT/IT integration through rich protocol support.

- Built-in Click&Go logic for smart edge logic and conditional control
- Flexible deployment with daisy-chain connectivity, peer-to-peer communication, and modular I/O scalability
- Compact design with front-wiring for easy deployment
- Supports edge computing and cloud connectivity (controller models only)



Boost Data to Decision

Whether you require high-speed x86 IPCs for complex analytics, energy-efficient Arm-based computers for remote monitoring, or rugged panel PCs for intuitive operations, Moxa delivers secure, reliable industrial computing for all your needs. Our comprehensive portfolio—including secure IIoT gateways—ensures seamless, end-to-end data flow from the field to the cloud.



x86 Computers

Built to last, Moxa's x86 fanless computers enable tailor-made edge intelligence with faster time to market. With 90+ barebones models and configure-to-order options, customers can rapidly create ready-to-use systems by selecting the ideal form factor, processor, interfaces, OS, memory, and storage for their automation needs.

- Versatile barebones portfolio to meet diverse needs quickly
- Configure-to-order options for OS, memory, and storage
- Faster prototyping and customization
- 3-year warranty with 10-year longevity



BXP-A101 Series Compact Box Computers

- Intel Atom® X Series processor
- Compact design to fit field deployment
- 2 LAN, 2 COM, mPCIe and Nano-SIM slots for flexible I/O and expansion options
- Fanless metal housing and a -30 to 70°C operating temperature range

Panel PCs

Moxa's industrial panel PCs deliver excellent touch-responsive operations with up to 1000-nit sunlight readability. With scalable panel sizes, IP66 protection, and industrial-certified reliability, our panel PCs are ideal for HMI in outdoor, hazardous oil & gas, rail, and marine environments.

- Wide panel sizes from 7 to 15.6 inches
- Fanless, -30 to 60°C operating temperature
- Supports versatile PLCs and SCADA systems
- CID2, ATEX, IECEx, DNV, and EN 50155 certified for use in hazardous locations



Arm-based Computers

Moxa's Arm-based industrial computers boost IIoT efficiency by converting remote data into actionable intelligence through high-speed edge computing. Powered by Moxa Industrial Linux (MIL) and compliance with IEC 62443-4-2 Security Level 2 requirements, they deliver fanless, wireless-ready performance and resilient failover for reliable utilities and smart-city applications.

- High-speed processing with automatic failover across Wi-Fi, cellular, and Ethernet
- Compliance with IEC 62443-4-2 Security Level 2 requirements
- System failover with file backup for reliable recovery
- 5-year warranty with 10-year MIL support, minimizing security and maintenance costs



UC-3400A/4400A Series Arm-based Quad-core Computers

- Built-in LTE and Wi-Fi 6 for UC-3400A Series; built-in 5G with optional Wi-Fi 6E for UC-4400A Series
- Automatic Wi-Fi/cellular failover with global RF approvals
- MIL with 10-year support and compliance with IEC 62443-4-2 Security Level 2 requirements
- CID2, ATEX Zone 2 certified (UC-3400A Series only)

IIoT Gateways

AIG Series gateways provide cloud-ready platforms for accelerated field-to-cloud data acquisition and edge analytics. Featuring robust industrial and cellular interfaces, AIG gateways offer seamless Azure/AWS/MQTT integration. Advanced security, including Secure Boot and reliable OTA, ensures resilient and trustworthy communication across all applications.

- Built-in LTE and optional Wi-Fi ensure reliable connectivity
- Seamless Modbus-to-cloud integration
- Compliance with IEC 62443-4-2 Security Level 2 requirements
- Centralized management streamlines provisioning and maintenance



System Software

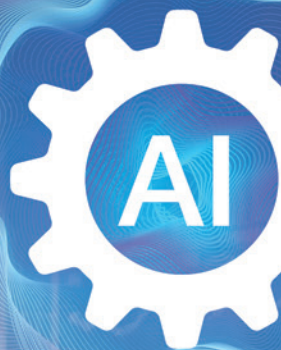
To accelerate edge intelligence, Moxa provides software for data acquisition, wireless/cellular communication, and remote device management. Its Device Lifecycle Management (DLM) solution enables centralized fleet monitoring with both on-premises and SaaS options, while Debian-based MIL ensures reliable, long-term operation.

- Moxa Industrial Linux (MIL) with 10-year support
- Compliance with IEC 62443-4-2 Security Level 2 requirements
- Intuitive web-based Moxa Swift for large-scale device provisioning
- DLM for centralized fleet monitoring with on-premises and cloud deployment options



Powering Your Industrial AI Potential

AI is redefining industrial operations, yet its success depends on a trusted foundation of next-generation networking and edge computing to drive IT-OT collaboration. Moxa simplifies the path forward with unified IT-OT convergence, edge computing and cloud-ready connectivity, empowering industries to turn AI-driven data into actionable real-time intelligence for smarter operations.

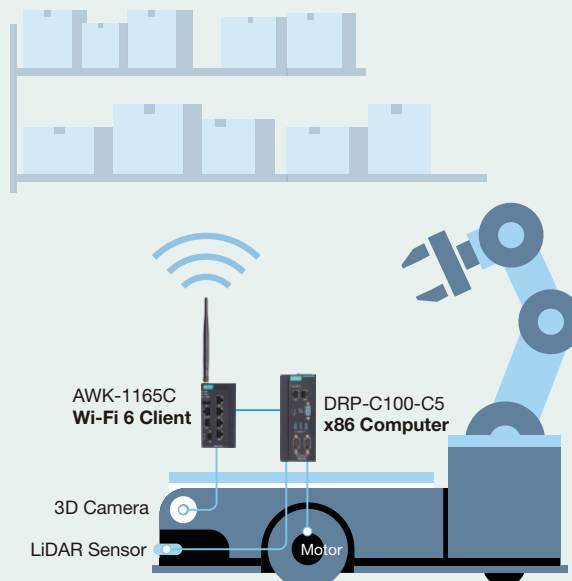


Optimize AGV Mobility for Reliability and Security

Wireless upgrades alone don't guarantee AGV reliability or security. To support AI-based navigation and operational intelligence, Moxa's Wi-Fi 6 solutions combine adaptive self-healing AeroMesh, millisecond-level roaming, and strong electromagnetic immunity, with security that references IEC 62443-4-2 SL2, to enable safe, high-speed operation on busy factory floors. Power and antenna port isolation, built-in band pass filter, and optional built-in 5-port switching further ensure resilient AGV mobility in dense, high-noise industrial environments.

Key Benefits

- **Built for Machine Integration**
Compact design with enhanced EMC and RF protection
- **Reliable Wireless Backhaul**
Adaptive, self-healing AeroMesh for resilient operations
- **Real-time Visibility**
Wireless topology and roaming playback via MXview Wireless

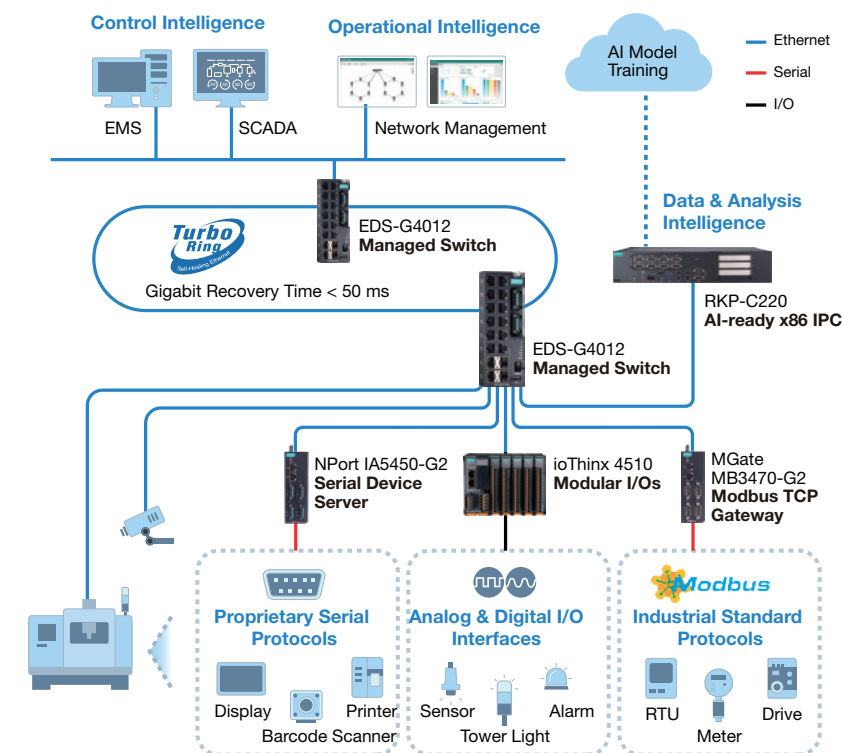


Simplify Deployment for Predictive Maintenance

Predictive maintenance reduces downtime and extends equipment life, but it is often hindered by legacy machines and proprietary standards. Moxa bridges this gap by unifying serial, I/O, and Industrial Ethernet data via versatile device servers, I/O modules, and gateways. Combined with edge computing for local machine learning, our solutions enable low-latency AI insights while saving bandwidth—simplifying your path to IIoT and AI integration.

Key Benefits

- **Accelerate Deployment**
Tool-free modular I/O supports up to 32 I/O modules for fast and flexible expansion
- **Unify Operations**
Broad protocol support for seamless IT/OT integration
- **Future-proofed Performance**
Edge computing with full-length PCIe, built for AI and vision workloads

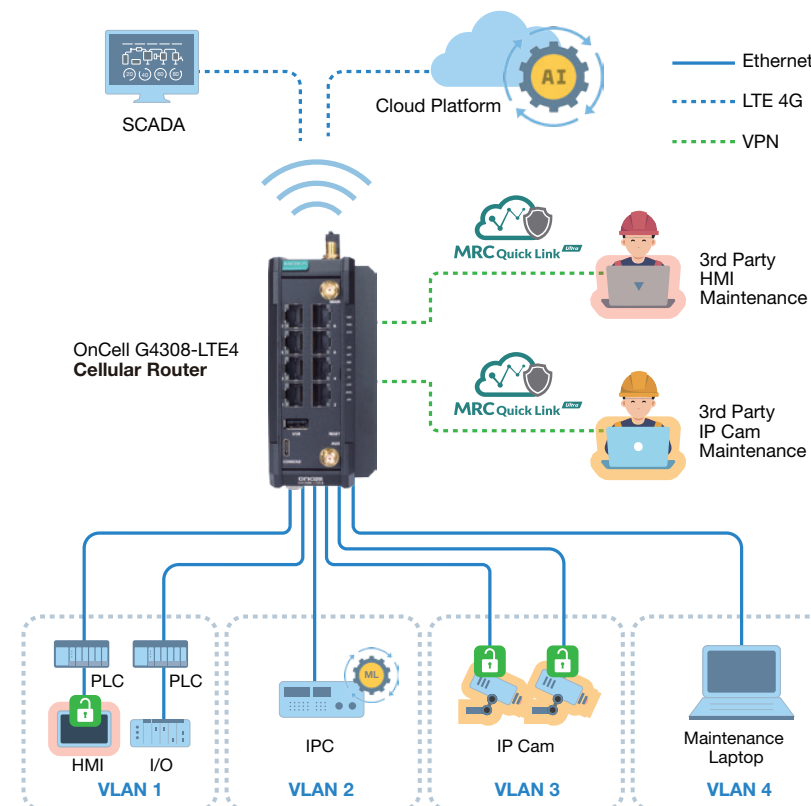


Secure Machine-to-cloud Maintenance

Modern manufacturing leverages digital efficiency to maximize uptime. Streaming operational data to the cloud enables remote monitoring, actionable insights, and proactive maintenance, but also introduces security risks. The OnCell G4308 secure router integrates cellular routing, firewall, and switching into a secure machine-to-cloud architecture, enabling safe, efficient, and reliable remote preventive maintenance. With the built-in MRC Secure Remote Access service, end devices can be maintained remotely by third-party equipment vendors to enhance operational efficiency.

Key Benefits

- **Optimized Cost & Performance**
Combining 8-port Gigabit switching with a built-in firewall and LTE connectivity
- **Enhanced Security**
With Deep Packet Inspection, the system proactively blocks anomalous attacks, ensuring secure M2M connectivity
- **Boosting Maintenance Efficiency**
Secure remote access with flexible access control based on role, time, and specific industrial protocols



Energy Monitoring Matters Across Industries

As global energy demands and costs continue to rise, real-time energy monitoring and traceability become critical to correlate power usage with machine performance. Moxa helps simplify legacy energy infrastructure with a single, integrated monitoring network. Our solutions streamline data collection and protocol conversion to reveal hidden inefficiencies, predict maintenance needs, and reduce emissions for more reliable, energy-efficient operations.



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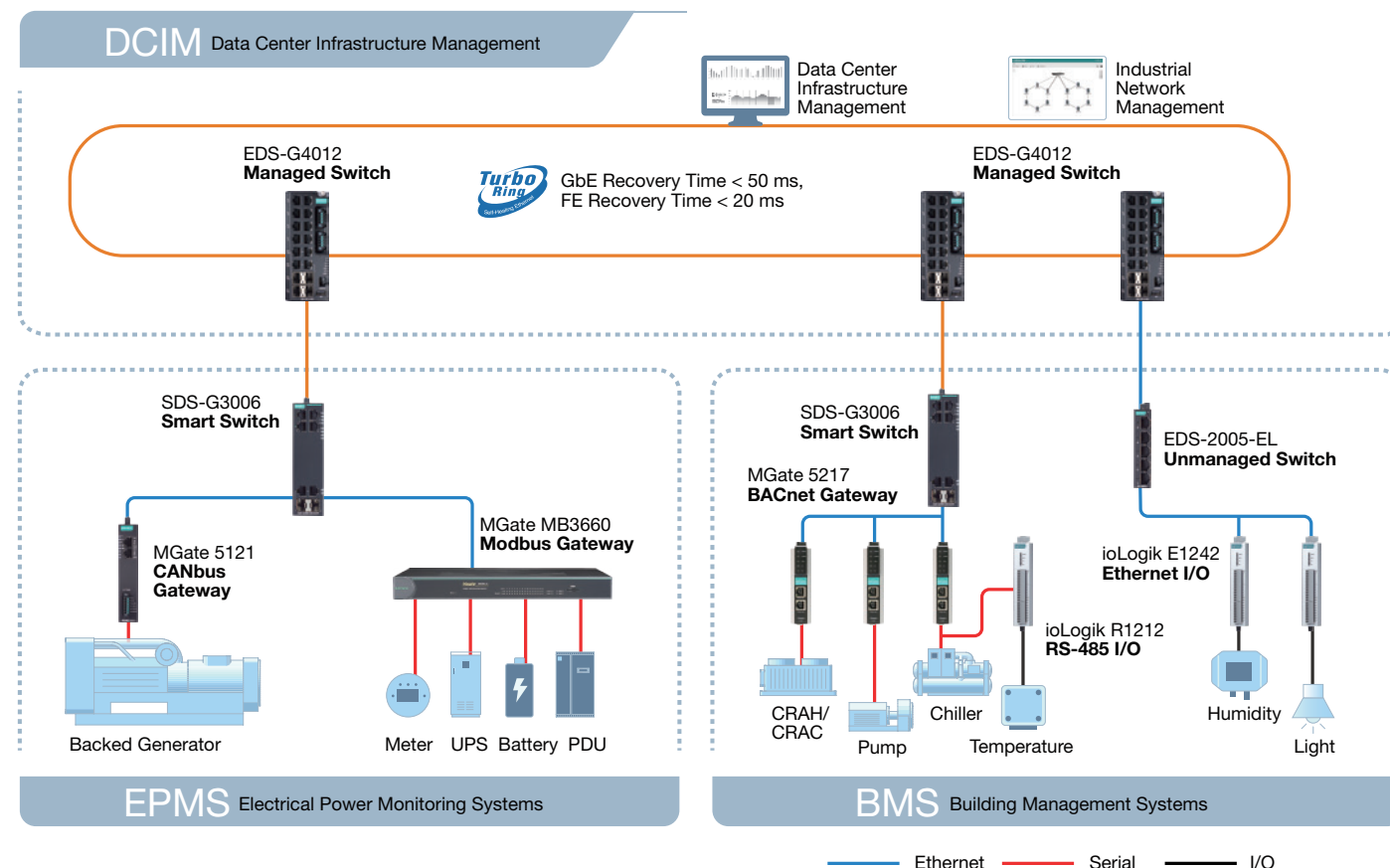
Our Data Center Infrastructure Solutions Flyer.

Real-time PUE Monitoring

Power Usage Effectiveness (PUE) is a critical metric for data center energy efficiency. Leveraging deep global data center expertise, Moxa delivers industry-trusted solutions for real-time PUE tracking. By integrating EPMS, BMS, and DCIM data, our technologies identify inefficiencies early and gain actionable insights into cooling and power performance. Our unified OT connectivity improves data reliability, enhances non-IT infrastructure transparency, and supports stable uptime and performance per watt.

Key Benefits

- **Unified IT/OT Connectivity**
Broad protocol support enables seamless, single-network integration
- **Resilient Network Infrastructure**
Backbone redundancy with install-and-forget edge networking
- **Industrial-grade Reliability**
Rugged designs engineered for reliable operation in harsh environments

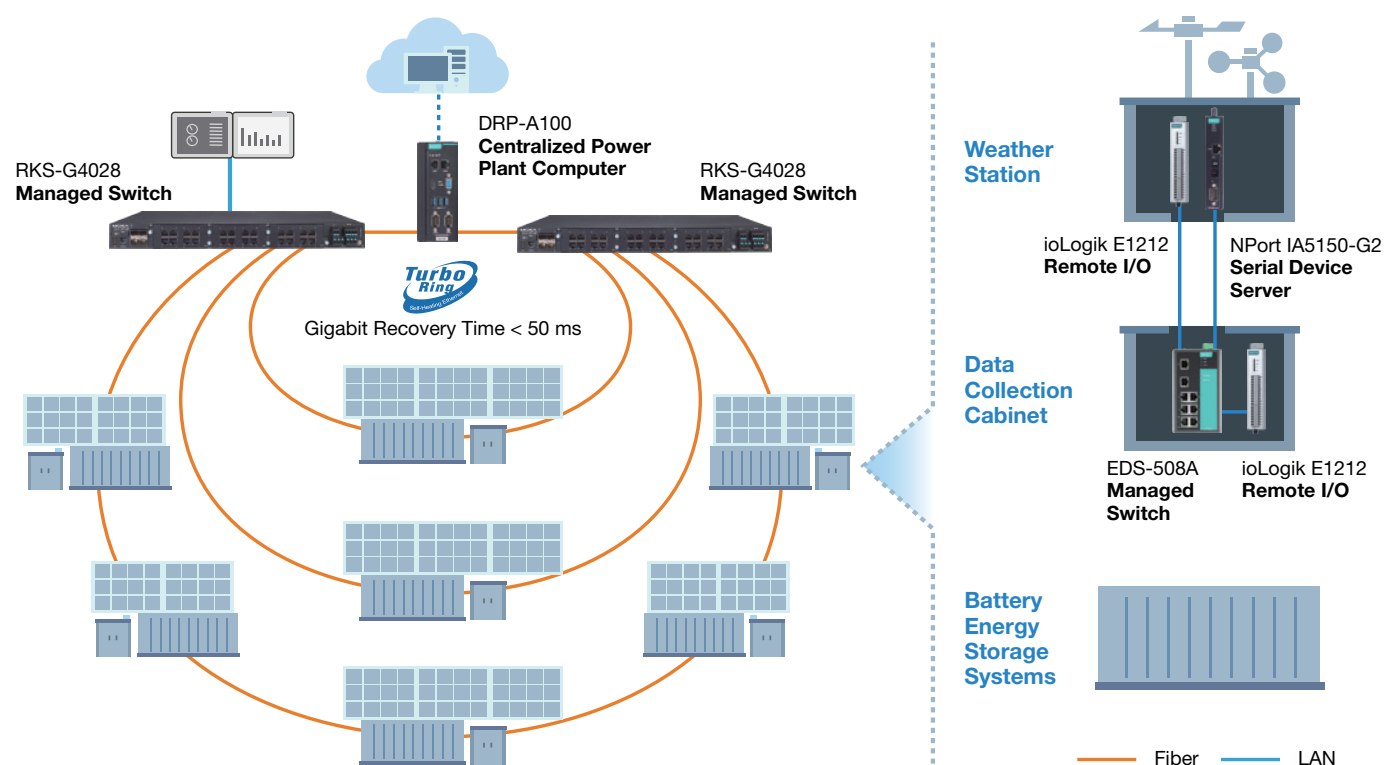


End-to-end Intelligence for Solar Farms

Solar power plants require fast, data-driven decision-making to enhance energy yield and respond to dynamic grid demands. Moxa delivers rugged and scalable infrastructure solutions that seamlessly connect and control solar generation and energy storage assets. Together, this end-to-end solution enables stable grid integration and efficient O&M, transforming intermittent renewable resources into energy that is predictable and dispatchable.

Key Benefits

- **Outdoor Reliability**
Rugged operations in extreme environments from -40 to 75°C
- **Scalable Real-time Control**
Millisecond-level network recovery with data gateways for hierarchical inverter control
- **One-stop Hybrid Power Solutions**
Seamless IT/OT integration across computing, device servers, I/O, and network switches



Defense-in-depth for Industrial Automation

As industrial IoT expands, the attack surface grows. Moxa adopts IEC 62443-4-1 certified product life-cycle process for enhanced IT/OT security that combines centralized visibility, zone-and-conduit segmentation, proactive threat defense, and security-hardened devices—ensuring resilient, multi-layer protection for industrial automation.

Born Secure, Built for Trusted Connectivity

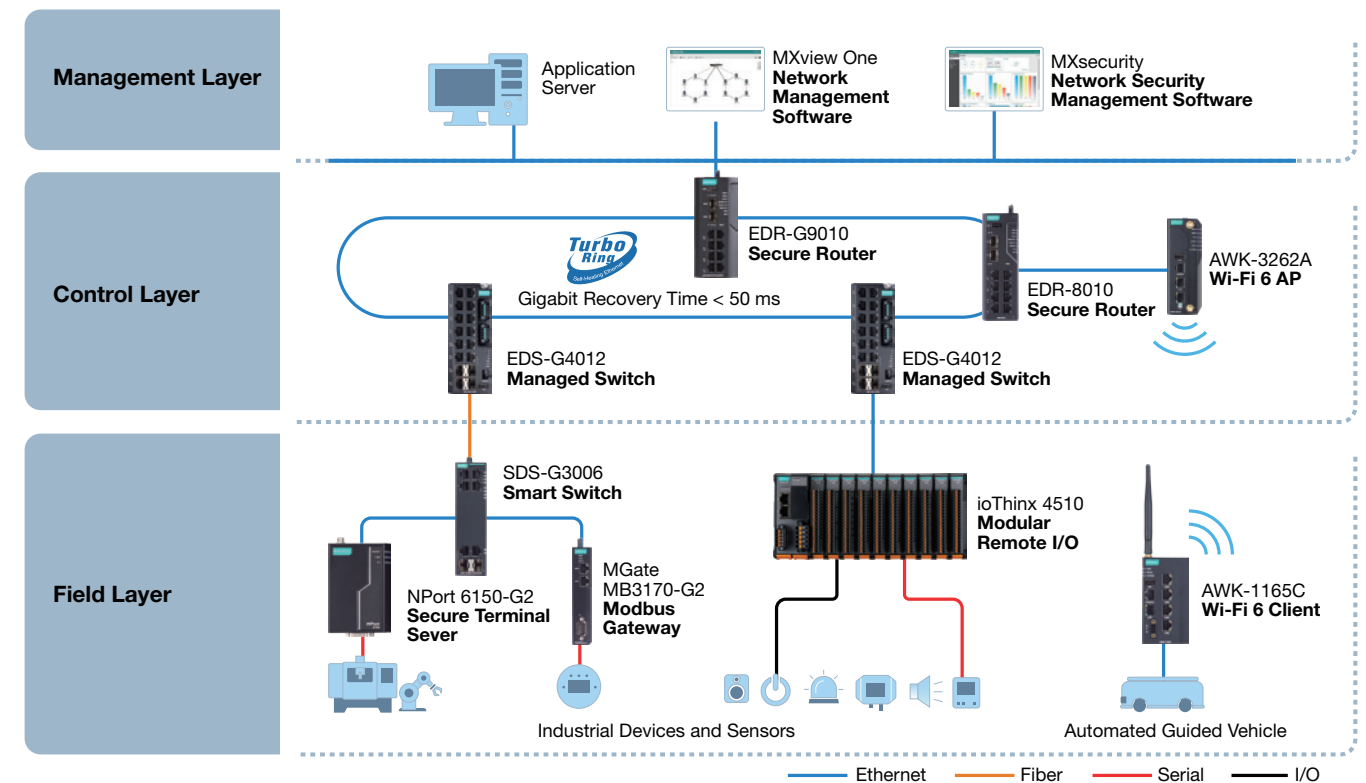
With an IEC 62443-4-1 certified development process, Moxa builds device security from the ground up, delivering life cycle resilience for industrial automation and control systems (IACS). Our wired and wireless solutions provide trusted connectivity, continuous vulnerability management, and long-term protection for an effective digital transformation of your operations.

Key Benefits

- One-stop Shop**
 Portfolio that is IEC 62443-4-2 Security Level 2 certified or references the standard for trusted connectivity
- Secure by Design**
 IEC 62443-4-1 certified SDL embeds OT security into the product design
- Ongoing Security Maintenance**
 Transparent SDL and timely updates ensure lasting security



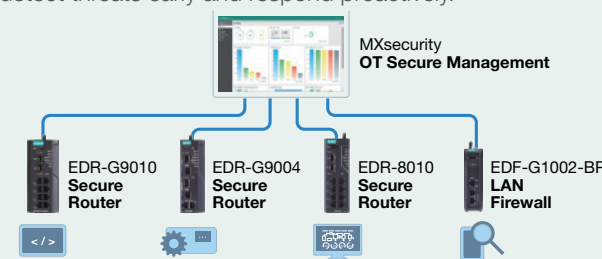
Moxa Product Security Incident Response Team (PSIRT) proactively protects our products and helps customers manage security risks. Scan the QR code to subscribe and receive alerts on our security updates.



Tailored Security, Simplified Deployment

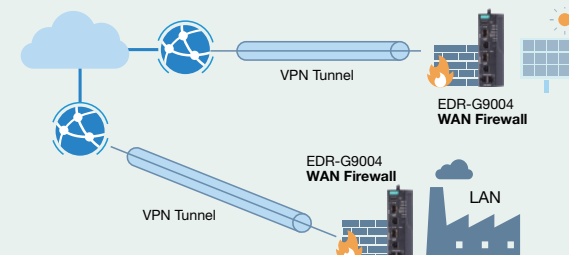
Scenario 1: Real-time Monitoring

Gain real-time visibility into traffic and security status to detect threats early and respond proactively.



Scenario 2: Site Protection

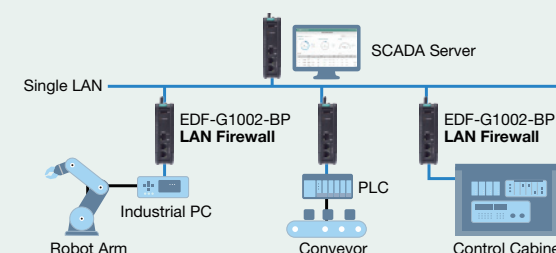
Secure edge devices and remote assets with integrated firewall, VPN, and IDS/IPS, forming the first line of defense.



Powered by the MX-ROS security-hardened OS and managed through the MXsecurity platform, Moxa's wired and wireless secure routers integrate OT-aware firewall, VPN, NAT, and IPS/IDS to deliver tailored protection through wizard-based deployment and centralized security updates—without complexity or IT overhead.

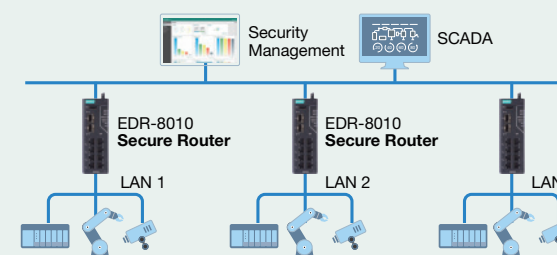
Scenario 3: Assets Protection

Protect critical systems by using inline firewalls and lateral segmentation to prevent threats across subnets.



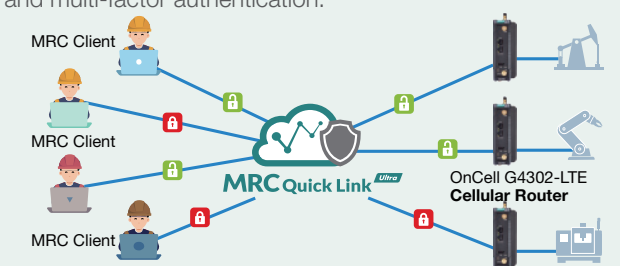
Scenario 4: System Segmentation

Ensure reliable routing and switching with secure LAN boundaries and OT-centric deep packet inspection



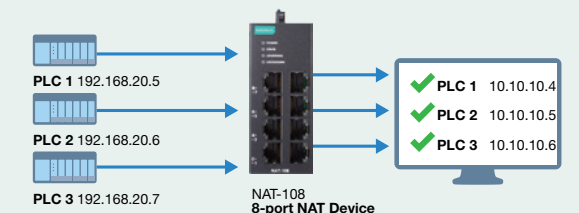
Scenario 5: Secure Remote Access

Secure remote connectivity for machine operators and service partners with Wireguard VPN, scalable tunneling, and multi-factor authentication.



Scenario 6: Industrial NAT

Use OT-friendly NAT to create a security boundary that restricts unauthorized access and protects machine networks through IP translation.



Scan to Learn How Moxa's Solutions Help Enhance Industrial Cybersecurity