# Industrial Network Security Solutions
## IT Level of Security, Purpose Built for OT Networks

For the past 30+ years, we have developed an extensive portfolio of products designed for the harsh operating requirements of OT networks. However, as network security threats continue to rise, we have combined our OT expertise with IT level security features within our leading product lines. This has resulted in a comprehensive OT security connectivity portfolio. See below to understand how we have incorporated expansive security features across our products to keep your networks not only connected, but secure.

### Din-Rail Ethernet Switches
**EDS-500E Managed Switch Series**

- Access Control & Data Encryption Security Protection
- Remote Authentication Servers Support
- Network Segmentation Security Protection

### Rackmount Ethernet Switches
**ICS/IKS/MDS/PT Series**

- Data Aggregation
- Access Control & Network Segmentation Security
- Remote Authentication Servers Support
- Subnet Routing Management

### IDS/IPS
**IEC/ICF Series**

- IDS/IPS Threat Detection & Response with:
  - End Point Protection
  - HMI, PLC, SCADA…

### Wireless
**AWK Series**

- Rugged design with high-performance Wi-Fi connectivity
- Supports standards based wireless security for encryption & authentication

### Secure Device Servers
**NPort 6000 Series**

- SSL & SSH encryption for serial data over Ethernet

### Management Software
**MXstudio/Security Dashboard Console**

- Simple & easy network & application visibility
- Keep the network secure with the built in security audit
- IDS/IPS threat response with SDC

### Secure Routers
**EDR Series**

- Easy setup with wizard
- Built-in industrial security
- All-in-one: NAT, VPN, & Firewall

### Protocol Gateways
**MGate 3000/5000 Series**

- Secure remote management web/telnet access

**MOXA**

# Making Smart Manufacturing a Reality

Every network application is unique depending on environment, scale and budget. However, there can be similarities in design across all of these. Check out the following example that illustrates how our eco-system of connectivity solutions can transform a factory/plant into something that's Smart, Efficient and Secure. For any questions, reach out to us here.



**Moxa Automation Ecosystem**

Legend: — Fiber — I/O — Ethernet — Serial

**Enterprise Layer**
- Enterprise Network
- ERP
- Enterprise Switch
- Enterprise Switch

**Management Layer**
- Network Management
- MXview
- Turbo Chain
- Secure Router
- Secure Router
- Ethernet Switch
- Ethernet Switch
- Manufacturing Management
- MES

**IT/OT Cybersecurity**

**Industrial Ethernet**
- Ethernet Switch
- Turbo Ring
- Ethernet Switch
- Ethernet Switch
- Ethernet Switch
- Ethernet Switch

**Control Layer**

**Device Connectivity**

**Machine Tool**
- Smart Switch
- Protocol Gateway (PROFINET)
- Serial Device Server
- Smart I/O
- Ethernet/IP
- Robot
- Machine (Legacy)

**Semiconductor**
- Edge Computer
- Local Scrubber
- Dry Pump
- Heating Jacket

**Food & Packaging**
- Ethernet/IP
- NAT Router
- PLC
- HMI
- Protocol Gateway
- Modbus
- Vision System
- VFD
- Packaging/Bottling Machine

**Automotive**
- Smart Switch
- PLC
- HMI
- Protocol Gateway
- Smart I/O
- Modbus
- VFD
- Solenoid Valves
- Assembly Gripper

**Material Handling**
- Wireless AP
- AeroMag
- Turbo Roaming
- Wireless Client
- PLC
- Smart I/O
- AGV

**Facilities/Building Systems**
- PLC
- Smart Switch
- Protocol Gateway (PROFIBUS)
- Smart I/O
- Serial Device Server
- Modbus
- VFD
- Alarm
- Thermostat
- Valve
- Level Sensor
- Card Reader
- Fire Panel

**Field Layer**

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