

Building Reliable 10GbE Networks for Advanced Transportation Management Systems (ATMS)



Featured Products

EDS-G4012 Series Industrial Managed Switches

- 12-port Gigabit Ethernet switches with 4 1GbE/2.5GbE fiber options
- PoE++ port options for powering demanding PoE devices
- IEC 62443-4-2 Security Level 2 certified



EDR-G9010 Series Industrial Secure Routers

- 10-port Gigabit all-in-one firewall/NAT/VPN/router/switch
- Industrial intrusion prevention system (IPS) for threat defense
- IEC 62443-4-2 Security Level 2 certified



RKS-G4030-PL Series Industrial Modular Managed Switches

- 6 1GbE/10GbE SFP ports for high-bandwidth applications
- MSTP/RSTP support for resilient fiber ring topologies
- IEC 62443-4-2 Security Level 2 certified

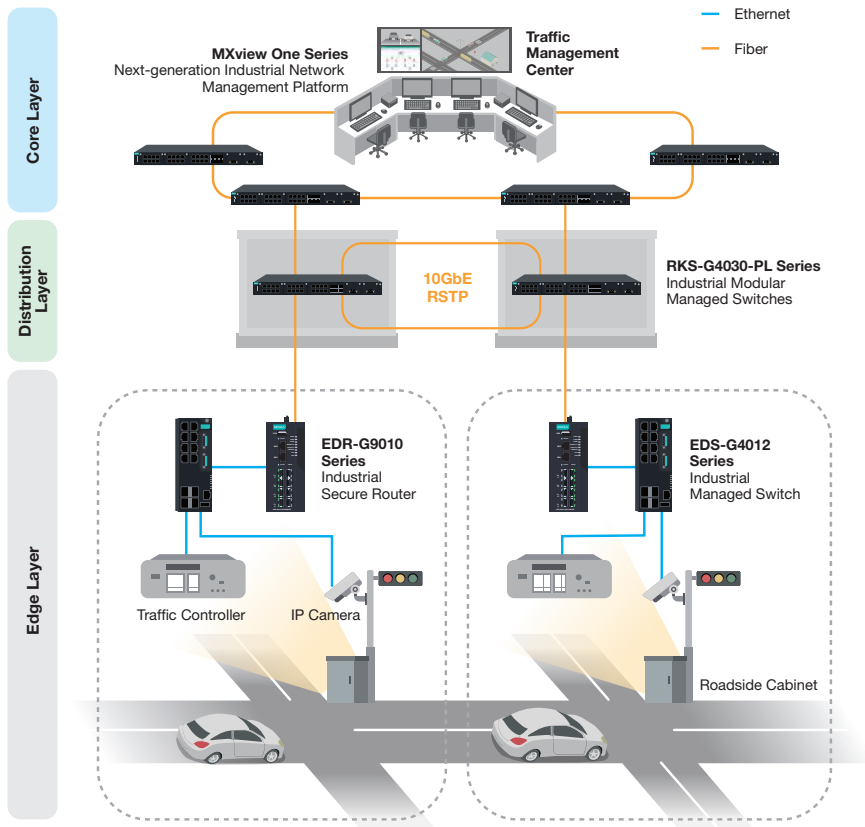


MXview One Series Next-generation Industrial Network Management Platform

- Visualize the network topology and status
- Real-time alert notifications to minimize downtime
- Easily manage and configure network devices remotely



As intelligent transportation systems (ITS) evolve, modern advanced traffic management systems (ATMS) must keep up. Space-efficient, high-bandwidth networks with zero downtime are essential for aggregating large volumes of HD video and sensor data, and streamlining maintenance efforts.



System Requirements

- Resilient 10GbE fiber network with high redundancy to process high-volume HD video and sensor data
- Strong network security to protect communications and critical data
- Easy-to-use network management software to increase maintenance efficiency

Why Moxa



Reliability & Performance

- 10GbE fiber backbone with robust redundancy technology for resilient, high-bandwidth networks



OT Network Security

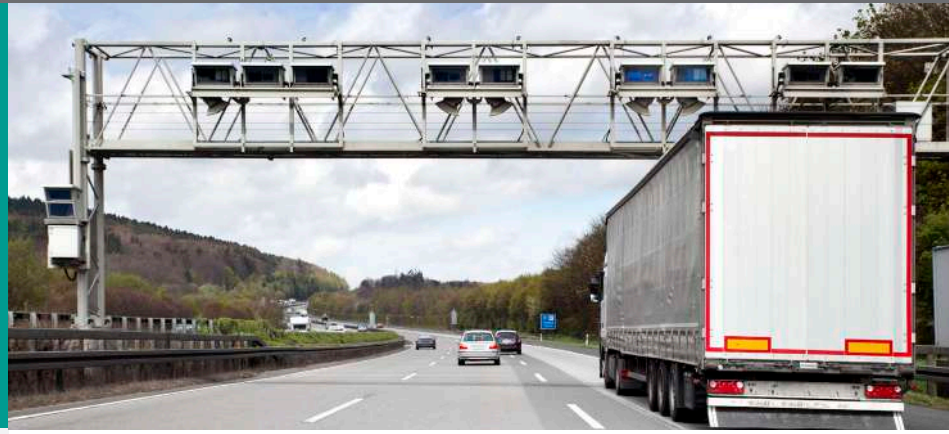
- Layered network defense with security-hardened devices and threat protection



Simplified Management

- Intuitive network management software to visualize operations

Enhancing Network Availability for Electronic Toll Collection (ETC) Systems



Featured Products

EDS-4008 Series Industrial PoE++ Switches

- 8-port Ethernet switches with 4 PoE++ ports and 4 GbE ports
- Up to 90 W output per PoE++ port
- IEC 62443-4-2 Security Level 2 certified



EDR-G9010 Series Industrial Secure Routers

- 10-port Gigabit all-in-one firewall/NAT/VPN/router/switch
- Industrial intrusion prevention system (IPS) for threat defense
- Millisecond-level L2/L3 network redundancy



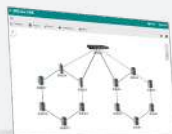
RKS-G4028 Series Industrial Rackmount Managed Switches

- Up to 28 GbE ports
- Millisecond-level network redundancy
- IEC 62443-4-2 Security Level 2 certified

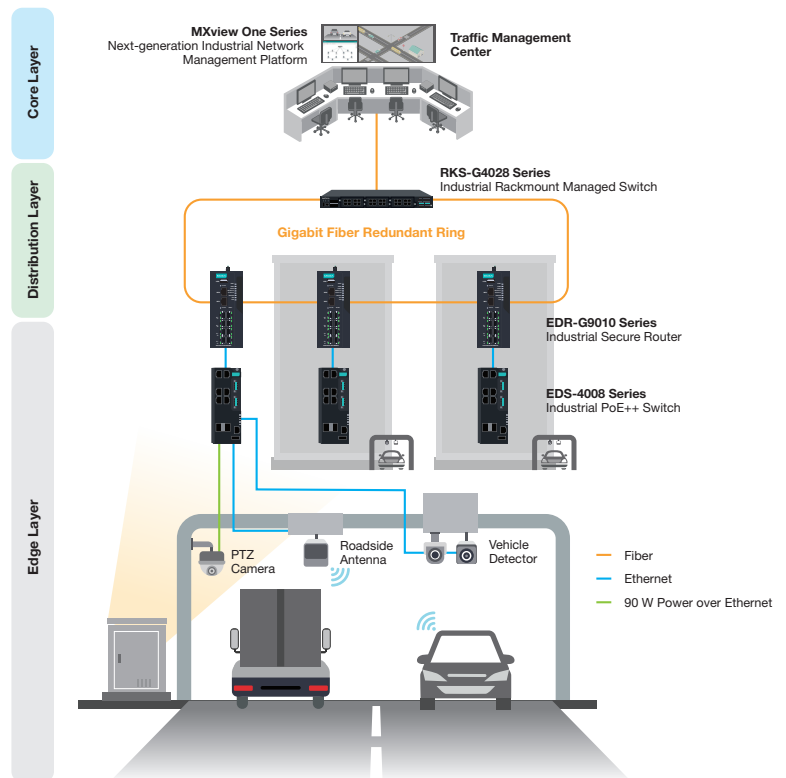


MXview One Series Next-generation Industrial Network Management Platform

- Visualize the network topology and status
- Real-time alert notifications to minimize downtime
- Easily manage and configure network devices remotely



Electronic toll collection (ETC) systems enhance the efficiency of toll fee collection for both traffic operators and road users by leveraging reliable and secure network infrastructure to collect data on passing vehicles and accurately calculate toll fees.



System Requirements

- High-bandwidth fiber uplinks to transmit high-resolution video data back to the main control center
- Support for high-capacity PoE to power outdoor PTZ IP cameras
- Secure networking and communications for critical data
- Real-time network status and event monitoring

Why Moxa



Reliability & Performance

- High bandwidth to support real-time HD CCTV streams
- Up to 90 W power output for PTZ cameras
- Smart PoE functions to perform failure checks and automatically reboot remote PDs



OT Network Security

- Layered network defense with security-hardened network devices and threat protection



Simplified Management

- Simplified network management with intuitive visualization software