

Building Reliable Networks for Advanced Transportation Management Systems (ATMS)



Featured Products

EDS-4012 Series Industrial Managed Switches

- 12-port Ethernet switches with 4 GbE port options
- PoE++ port options for powering demanding PoE devices
- IEC 62443-4-2 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



MDS-G4020 Series Industrial Modular Managed Switches

- Up to 20 GbE ports
- Tool-free hot-swappable module design
- Millisecond-level network redundancy

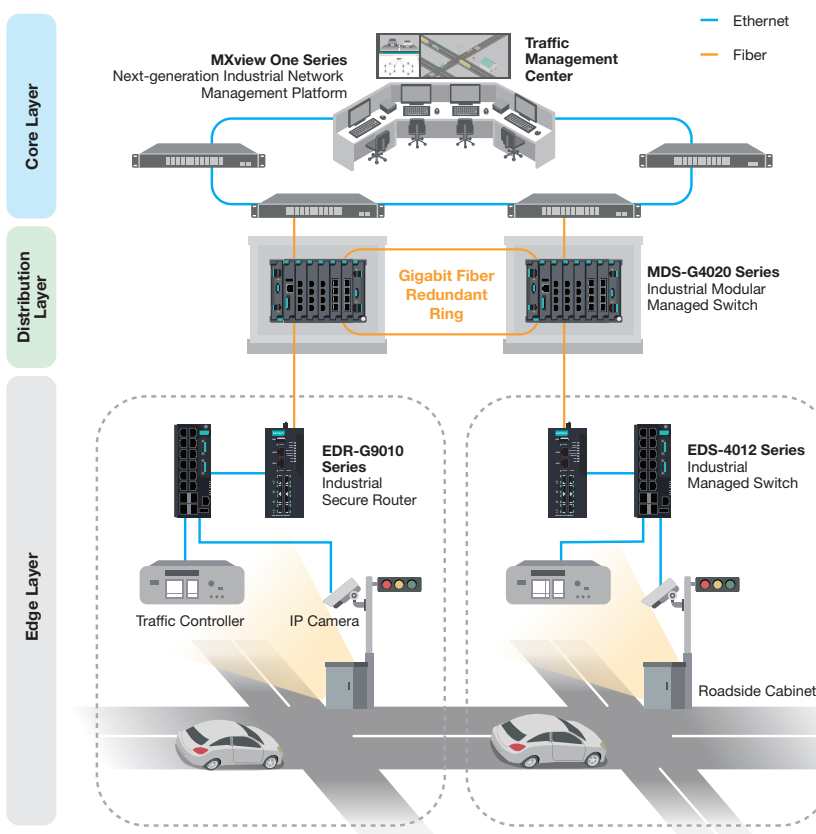


MXview One Series Next-generation Industrial Network Management Platform

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



As a key component of intelligent transportation systems (ITS), advanced traffic management systems (ATMS) use digital connectivity technology to achieve more efficient traffic management and build more convenient, safer, and greener transportation.



System Requirements

- Reliable and resilient Gigabit network backbone for current and future needs
- Secure networking and communications for critical data
- Easy-to-use network management software to increase maintenance efficiency

Why Moxa

- Reliability & Performance**
 - Gigabit devices with robust redundancy technology for resilient, high-bandwidth networks
- OT Network Security**
 - Layered network defense with security-hardened network devices and threat protection
- Simplified Management**
 - Simplified network management with intuitive visualization software

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 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

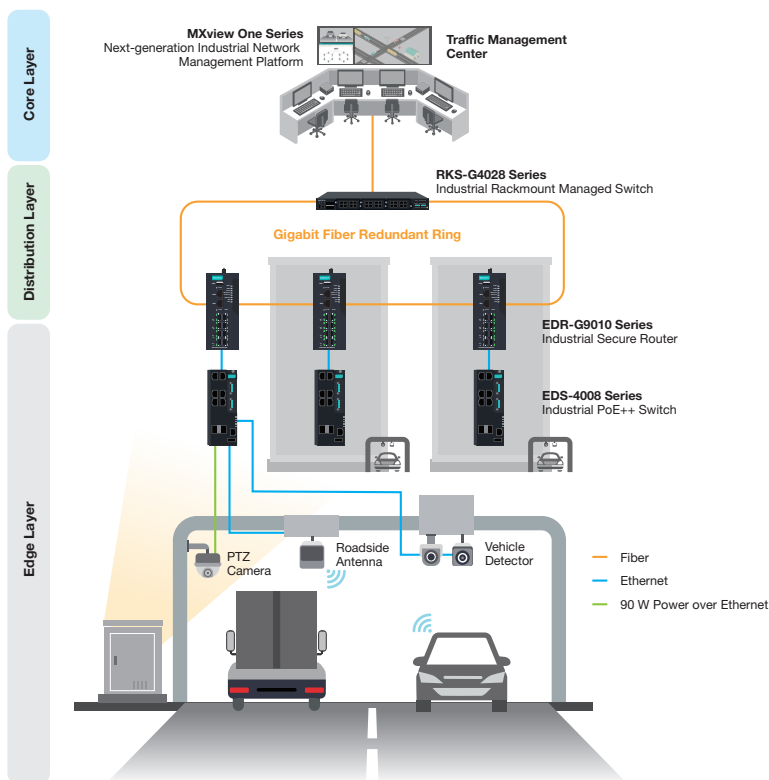
- Up to 28 GbE ports
- Millisecond-level network redundancy
- IEC 62443-4-2 certified



MXview One Series Next-generation Industrial Network Management Platform

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- 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