

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

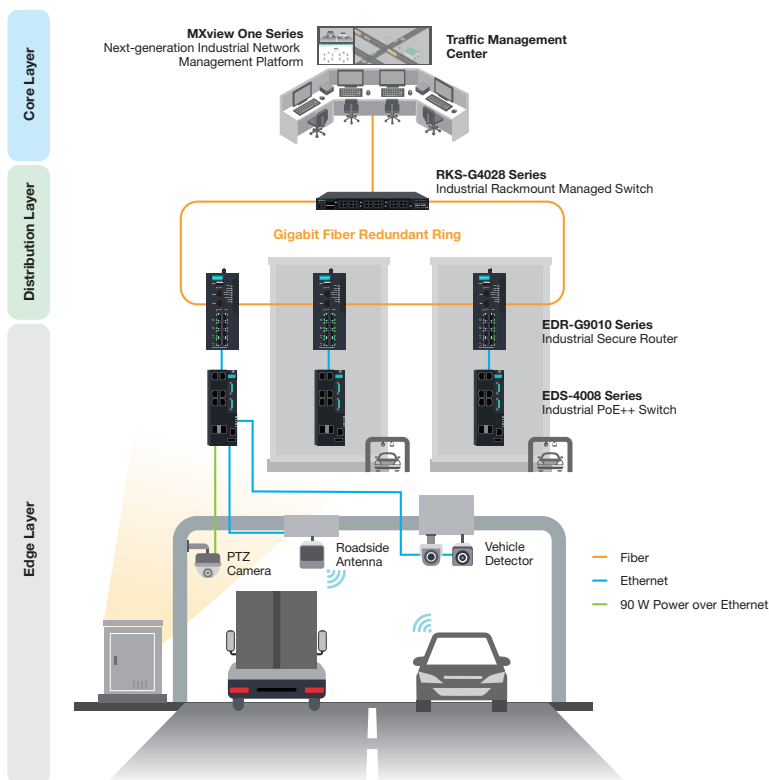
- Up to 28 GbE ports
- Millisecond-level network redundancy
- IEC 62443-4-2 certified



MXview One Series Next-generation Industrial Network Management Platform

- 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