



Introduction

Traction power supply systems are the basic infrastructure for train operation. Transformers, switch-gears, low-voltage power distribution and control/protection devices are installed along the tracks, while the Power SCADA system ensures the service availability through its real time control and supervision.

System Requirements

- Industrial design to sustain under harsh environment, severe EMC condition in substation
- Network redundancy to mitigate link or node failure effects
- Network management capabilities to ease maintenance and operation
- Versatile mounting types and power input options

Why Kyland

- Compliant with IEC61850-3
- Supports various redundant Ring redundant protocols, like STP/RSTP, MSTP, DT-Ring and IEC62439-6(DRP)
- Unified NMS, Kyvision3.0 for network monitoring and management
- Standard 19" rack-mount type and also compact DIN-Rail type Ethernet switches with high voltage power input

Recommended Products

SICOM3024P



- Max. 4G and 24 Fast Ethernet ports
- Flexible modular design for Ethernet or Fiber ports
- Supports STP/RSTP, MSTP, DT-Ring and IEC62439-6(DRP)
- Supports Syslog, SNMP Trap
- Compliant with IEC61850-3
- Operating temp.: -40~85°C

SICOM3009A



- Max. 3FX + 6TX, or 8TX
- Flexible modular design for Ethernet or Fiber ports
- Supports STP/RSTP, MSTP, DT-Ring and IEC62439-6(DRP)
- Compliant with IEC61850-3
- Operating temp.: -40~85°C

SICOM3005A



- 2FX+4TX or 6TX Fast Ethernet ports
- 4 RS232/422/485 Serial ports
- Supports STP/RSTP, MSTP, DT-Ring and IEC62439-6(DRP)
- High EMC resistance
- Operating temp.: -40~85°C

Kyvision3.0



- Supports max. 1000 nodes
- Supports LLDP and user-friendly GUI
- Supports historic operation journal and alarm log
- Supports real-time alarm via email or SMS

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Power SCADA Networking Solutions for Railway Traction System

