Overview

The EE214 is a Managed Industrial Ethernet Switch. It has four 1000 Mbps fiber optic SFP ports, two 100 Mbps fiber optic SC ports and eight 10/100 Mbps electrical ports. The EE214 is designed to meet the various industrial application needs and provide a wide range of industrial Ethernet network communication solutions, including linking multiple remote traffic intersections to the Traffic Operation Center.

The EE214 also features powerful Web-based, CLI management capabilities, wide input range dual power supply and its support for DIN rail and panel mounting for installation in the industrial environment. “Fast Ring Protection” (FRP) is a proprietary technology that designed specifically for industrial applications, to provide a fast Ethernet ring protection and recovery within 20ms. From the management console, users can choose any port (normal Ethernet port or trunk port) to form an Ethernet ring for faster recovery and wider bandwidth.


Features

- 4 x 1000M SFP Fiber Ports
- 2 x 100M SC Fiber Ports
- 8 x 10/100M TX Copper Ports
- Fast Ring Protection (FRP), Spanning Tree Protocol (STP) and Rapid Spanning Tree Protocol (RSTP)
- Support 802.1Q 4K VLAN, port based, protocol based VLAN, Generic Attribute Registration Protocol (GARP), GARP VLAN Registration Protocol (GVRP)
- Static and Dynamic port aggregation
- Port rate limit, broadcast storm control, port mirroring, rich Quality of Service (QoS) features
- Blackhole MAC address filtering, static and dynamic MAC address management
- Dual power input for high reliability
- DIN rail or panel mount

Applications

- ITS Traffic Applications
- SCADA Networks
- Metro Networks
- Gas & Oil Fields Monitoring Applications
- Railroad Networks
- Military Applications
- Data Acquisition Applications

Order Information

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<td>EE214SF03</td>
<td>Industrial Ethernet Switch, 8 x 10/100M TX, 2 x 100M FX, 4 x 1000M SFP, SM 1310nm, 50 Km Dual + 36 ~ 72 VDC</td>
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### Technical Specifications

#### EE Series

**System:**

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**Network Management:**

- Web-based, CLI

**Protocols:**

- IGMPv1/v2, GVRP, SNMPv1/v2c/v3, DHCP, TFTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, SSH, SNMP inform, SNMP Server/Client

**Fiber Interface:**

- LX, FX Ports: 4 SFP Ports, 2 SC Ports
- Data Rate: 1000 Mbps, 100 Mbps
- Connector: LC
- Distances: 20KM@1310SM, 50KM@1310SM, 100KM@1550SM

**TX Interface:**

- Ports: 8 RJ45
- Data Rate: 10/100 Mbps
- TX Port: Auto-MDI/MDIX
- Transmission Mode: Half/Full Duplex

**Network Management:**

- Interface: Web Browser, CLI
- Port Configuration: Port enable, Auto-Negotiation, Full and Half Duplex mode, Flow Control Enable, Bandwidth Control
- VLAN: Port-Based / 802.1Q Tagged Based Generic Attribute Registration
- Link Aggregation: Supports IEEE 802.3ad LACP
- Data Traffic Control: Port rate limit, broadcast control, mirroring and QoS
- Console Port: RS-232 – RJ45 Connector

**Environment:**

- Operating: -34° C to +74°C
- Storage: -40° C to +85°C
- Humidity: 98% Non-Condensing

### Application

#### 10/100M-TX

- EE206: Up to 50 Km SM Fibers 100M SC Ports
- EE214: Up to 50 Km SM Fibers Gigabit SFP Ports

### Operation Center

- Main Ethernet Network Switch

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