EKI-5525S M Series

4-port +1x100FX port (Single/Multi-mode, SC/ST type), Fast Ethernet ProView Switch



Features

- TCP Communicates with SCADA software via Modbus/TCP
- Communicates with NMS (Networking management system) via SNMP
- Port-based QoS for deterministic data transmission
- \$\frac{1}{40}\pi^5\circ Operating temperature range (EKI-5525SI/SI-ST, EKI-5525MI/MI-ST only)
- 12 ~48 Vpc (8.4 ~52.8 VDC) wide-range power input
- IN EMS level 3 protection for extreme outdoor environments
- ## 802.3az Energy & Went Ethernet (EEE)
- Ill Jumbo Frame Support (Up to 9,216 Bytes)
- Supports redundant 12~48V_{DC} power input and P-Fail relay
- Loop detection

Introduction

The EKI-5525S/SI/S-ST/SI-ST and EKI-5525M/MI/M-ST/MI-ST are the world's Inconvergence switches for process control and IT networking management. This series uses Modbus/ TCP to communicate with the SCADA software and SNMP to communicate with NMS (Networking Management System) at the same time, thereby allowing full read control over the devices either for control engineers or for IT. The devices come with the Port based QoS for deterministic data transmission allows the priority ports to prioritize the traft & boming over those ports and delay the less immediately necessary data over the remaining ports. EN-5525S/S/S-ST/S-ST and EN-5525S/MI/M-ST/MI-ST switches use the highest quality components, to enable the range to operate in temperatures of between -40 and 75°C along with EMS Level 3 protection to repel electromagnetic interface for industrial resistance.

Speci Cations

Communications

Standard IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az

LAN 10/100Base-T(X), 100Base-FX

Transmission Distance

Ethernet: Up to 100 m Multi-mode Fiber: Up to 2 km (EKI-5525M Series)

Single-mode Fiber: Up to 30 km (EKI-5525S Series)

Optical Fiber

Multi-Mode (EKI-5525M/MI/M-ST/MI-ST)

Wavelength: 1310nm Tx Power: -14/-20 dBm

Rx Sensitivity: -32 dBm

Parameters: 50/125 um, 62.5/125 um Single-Mode (EKI-5525S/SI/S-ST/SI-ST)

Wavelength: 1310 nm Tx Power: -8/-15 dBm Rx Sensitivity: -34 dBm Parameters: 9/125 um

Transmission Speed Up to 100 Mbps

Interface

Connectors 4 x RJ45 ports

1 x SC/ST type ber optic connectors 6-pin screw Terminal Block (including relay)

Indicators P1,P2, P-Fail, Loop detection 10/100T(X): Link/Activity, Speed

Switch Properties

MAC Table Size Packet Buffer Size 1M bit Switching Capacity 1 Gbps Jumbo Frame 9216 bytes

Power

Power Consumption

Power Input Fault Output 12-48 VDC (8.4-52.8 VDC), redundant dual inputs

1 Relay Output

Mechanism

Dimensions (W x H x D)

27 x 120 x 84 mm IP30, metal shell with solid mounting kits

Mounting DIN-Rail, Wall

Protection

Reverse Polarity
Overload Current Present

Environment

Sperating Temperature EXI-5525S/S-ST/M/M-ST: -10~60°C (14~140°F) E4-5525S/SI-ST/MI/MI-ST: -40~75°C(-40~167°F)

Storage Temperature

Operating Humidity Storage Humidity

MTBF

Certi Lation

Safety Safety SMC Signal

*** EMS

EN 55011/55022 Class A, EN 61000-6-4, FOC Part 15 Subpart B Class A EN61000-4-2 (ESD) Level 3

IEC/EN 60950-1, UL508, Class 1 Division 2, ATEX, IECEx

-40~75°C(-40~167°F)

282,703 hours

10~95% (non-condensing) 10~95% (non-condensing)

EN61000-4-3 (RS) Level 3 EN61000-4-4 (EFT) Level 3 EN61000-4-5 (Surge) Level 3 EN61000-4-6 (CS) Level 3 EN61000-4-8 (Magnetic Field) Level 3

Shock Freefall Vibration IEC 60068-2-32 IEC 60068-2-6

Ordering Information

₩ EKI-5525S 4-port +1 x100FX port (Single-mode, SC type),

Fast Ethernet ProView Switch ³⁷∃KI-5525SI

4-port +1 x100FX port (Single-mode, SC type), Fast Ethernet ProView Switch with Wide Temperature ₩ EKI-5525M 4-port + 1 x100FX port (Multi-mode, SC type),

Fast Ethernet ProView Switch

*** EKI-5525MI 4-port +1 x100FX port (Multi-mode, SC type), Fast Ethernet ProView Switch with Wide Temperature 187 EKI-5525S-ST 4-port + 1 x100FX port (Single-mode, ST type),

Fast Ethernet ProView Switch

EKI-5525SI-ST 4-port +1 x100FX port (Single-mode, ST type), Fast Ethernet ProView Switch with Wide Temperature 51 EKI-5525M-ST 4-port + 1 x100FX port (Multi-mode, ST type), Fast Ethernet ProView Switch

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