EKI-5524SS/MM Series

4-port + 2x100FX port (Single/Multimode, SC/ST type), Fast Ethernet ProView Switch



Features

- Communicates with SCADA software via Modbus/TCP
- Communicates with NMS (Networking management system) via SNMP
- Port-based QoS for deterministic data transmission
- -40~75°C operating temperature range (EKI-5524SSI/SSI-ST,EKI-5524MMI/ MMI-ST only)
- 12 ~48 V_{DC} (8.4 ~52.8 V_{DC}) wide-range power input
- EMS level 3 protection for extreme outdoor environments
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- Jumbo Frame Support (Up to 9,216 Bytes)
- Supports redundant 12~48V_{DC} power input and P-Fail relay
- Loop detection

Introduction

The EKI-5524SS/SSI/SS-ST/SSI-ST and EKI-5524MM/MMI/MM-ST/MMI-ST are the world's first convergence witches for process control and IT networking management. This series uses Modbus/TCP to communicate with the SCADA software and SNMP to communicate with NMS 'Nu' vor' ing 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 Qo. for uterministic data transmission allows the priority ports to prioritize the traffic coming over those ports and delay the less immediately necessary data over the remaining ports. XI-5524SS/SSI/SS-ST/SSI-ST and EKI-5524MM/MMI/MM-ST/MMI-ST/MI-ST/ST/SSI-ST/SSI-ST and EKI-5524MM/MMI/MM-ST/MMI-ST/MMI-ST/MMI-ST/MI-ST/ST/SSI-SSI-SSI-SSI-SSI-SSI-SSI-SSI-S

Specifications

Communications

•	Standard
	LAN

- IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az, 8u2.3au 10/100Base-T(X), 100Base-FX Ethernet: Up to 100 m Multi-mode Fiber: Up to 2 km (EKI-5524MN' Series) Single-mode Fiber: Up to 30 km (EKI-5524S) Series) Transmission Distance
- **Optical Fiber** Multi-Mode (EKI-5524MM/MMI/MM-ST/MMI-ST) Wavelength: 1310nm Tx Power: -14/-20 dBm Rx Sensitivity: -32 dBm Parameters: 50/125 u.m. 62:u, 125 um Single-Mode (EKI-5524SS/SSI/SS-ST'SI-S1)

Up to 100 Mbps

4 x RJ45 ports

2 x SC/ST type fiber optic connectors

Wavelength: 15, 2 nm Tx Power: -9/-15, 2 m Rx Sens.¹, ity. 34 dBm Parameters 9/125 um

Transmission Speed

Interface

- Connectors
- LED Indicators

Switch Properties

- MAC Table Size
- **Packet Buffer Size** Switching Capacity
- Jumbo Frame

Power

- Power Consumption
- Power Input - Fault Output

Mechanism

- Dimensions (W x H x D) 43 x 120 x 84 mm Enclosure IP30, metal shell with solid mounting kits
- Mounting

2K

1M bit

1.2 Gbps

9216 bytes

Max 4 W

1 Relay Output

DIN-Rail, Wall

Fist ction Reverse Polarity **Overload Current**

Present Present

> -40~167°F) 40 ~ 75°C (-40 ~ 167°F)

144,890 hours

10~95% (non-condensing)

10 ~ 95% (non-condensing)

Environment

- Operating Temperature
- Storage Temperature **Operating Humidity**
- Storage Humidity
- MTBF

Certification

- EMI
- IEC/EN60950, UL60950, UL508, Class 1 Division 2, ATEX IEU/EN60950, UL60950, UL508, Class T DIVISION 2, ATEX FCC Part 15 Subpart B Class A, EN 55011/55022 Class A EN61000-4-2 (ESD) Level 3 EN61000-4-3 (RS) Level 3 EN61000-4-5 (Surge) Level 3 EN61000-4-5 (Surge) Level 3 EN61000-4-6 (CS) Level 3 EN61000-4-8 (Magnetic Field) Level 3 IEC 60068 2 27 IEC 60068-2-2 IEC 60068-2-32 IEC 60068-2-6

4-port + 2 x100FX port (Multi-mode,SC type), Fast Ethernet ProView Switch

4-port + 2 x100FX port (Multi-mode,SC type), Fast Ethernet ProView Switch with Wide Temperature

4-port + 2 x100FX port (Single-mode,ST type), Fast Ethernet ProView Switch

4-port + 2 x100FX port (Single-mode,ST type), Fast Ethernet ProView Switch with Wide Temperature

4-port + 2 x100FX port (Multi-mode,ST type), Fast Ethernet ProView Switch

4-port + 2 x100FX port (Multi-mode,ST type), Fast

Ethernet ProView Switch with Wide Temperature

EKI-5524SS/SS-ST/MM/MM-ST: -10~60°C (14~140°F) EKI-5524SSI/SSI-ST/MMI/MMI-ST: -40~75°C

Freefall Vibration

Shock

Ordering Information

- 4-port +2x100FX port (Single -mode, SC type), Fast Ethernet ProView Switch 4-port + 2x100FX port (Single-mode, SC type), Fast Ethernet ProView Switch with Wide Temperature **EKI-5524SS**
- EKI-5524SSI
- EKI-5524MM
- EKI-5524MMI
- EKI-5524SS-ST
- EKI-5524SSI-ST
- EKI-5524MM-ST
- EKI-5524MMI-ST

Date undated: 26-Jan-2015

AD\ANTECH Industrial Ethernet Solutions

All product specifications are subject to change without notice

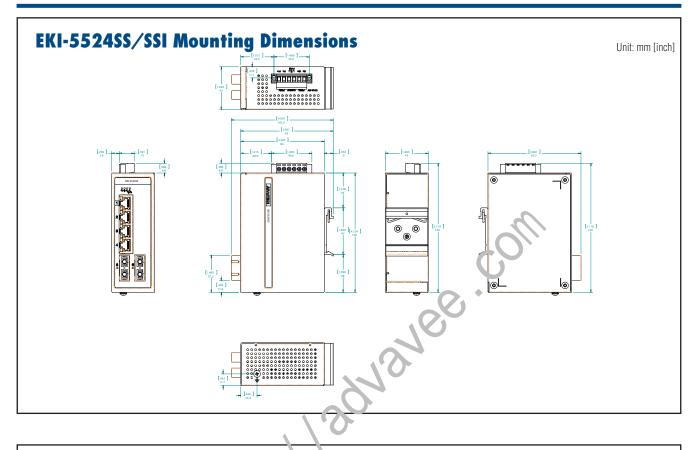
6-pin screw Terminal Block (including relay) P1,P2, P-Fail, Loop detection 10/100T(X): Link/Activity, Speed

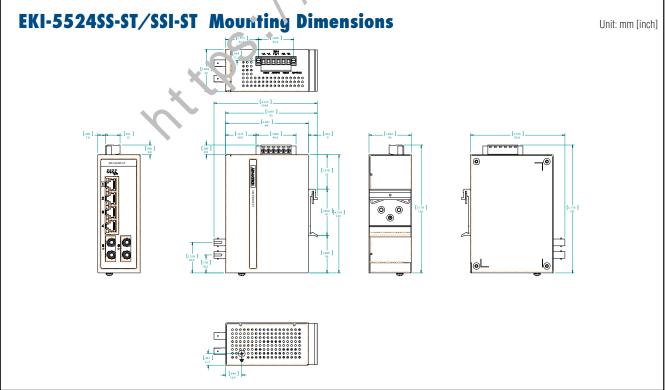
12~48 V_{DC} (8.4~52.8 V_{DC}), redundant dual inputs

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- Safety
 - EMS

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