

# EKI-5525S/M Series

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



### **Features**

- Communicates with SCADA software via Modbus/TCP
- 3 Communicates with NMS (Networking management system) via SNMP
- 3 Port-based QoS for deterministic data transmission
- 3 -40~75°C operating temperature range (EKI-5525SI/SI-ST, EKI-5525MI/MI-ST only)
- $12 \sim 48 V_{DC}$  (  $8.4 \sim 52.8 VDC$  )wide-range power input (3)
- 3 EMS level 3 protection for extreme outdoor environments
- 3 IEEE 802.3az Energy Efficient Ethernet (EEE)
- 3 Jumbo Frame Support (Up to 9,216 Bytes)
- 3 Supports redundant 12~48V<sub>DC</sub> power input and P-Fail relay
- (3) Loop detection









The EKI-5525S/SI/S-ST/SI-ST and EKI-5525M/MI/M-ST/MI-ST are the world's first convergence 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 traffic coming over those ports and delay the less immediately necessary data over the remaining ports. EKI-5525S/SI/S-ST/SI-ST and EKI-5525M/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.

# **Specifications**

### Communications

3 Standard IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az LAN 10/100Base-T(X), 100Base-FX 3 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) ③cal Fiber Opti

#### 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

3 4 x RJ45 ports Connectors 1 x SC/ST type fiber optic connectors 6-pin screw Terminal Block (including relay) 3 LED Indicators P1,P2, P-Fail, Loop detection 10/100T(X): Link/Activity, Speed

# Switch Properties

AC Table Size

Packet Buffer Size 1Mbit 3 Switching Capacity 1 Gbps Jumbo Frame 9216 bytes

### Power

**Power Consumption** Max. 2.8 W 3 **Power Input** 12~48 VDC (8.4~52.8 VDC) redundant dual inputs (3) **Fault Output** 1 Relay Output

#### **Protection**

3 Reverse Polarity Present 3 Overload Current Present

### **Environment**

**Operating Temperature** EKI-5525S/S-ST/M/M-ST:-10~60°C (14~140°F) EKI-5525SI/SI-ST/MI/MI-ST: Storage Temperature -40~75°C (-40~167°F) -40 ~ 75°C (-40 ~ 167°F) 3 3 Operating Humidity 10 ~ 95% (noncondensing) (3) Storage Humidity 10 ~ 95% (noncondensing) 3 MTBF 282,703 hours

### Certification

3 Safety IEC/EN60950-1, UL508, Class 1 Division 2, ATEX, IECEx 3 EMC CE. FCC 3 EMI EN55011/55022 Class A, EN61000-6-4, FCC Part 15

Subpart B Class A

3 EMS EN61000-4-2 (ESD) Level3EN61000-4-3 (RS) Level3 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 IEC 60068-2-27

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### bration Ordering Information

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

EKI-5525SI

## Mechanism

3

(3)

B EKI-5525M imensions (W 27 x 120 x 84 mm **EKI-5525MI** xHxD)

3

3 EKI-5525S-ST

3 EKI-5525SI-ST ③ **EKI-5525M-ST** 

Fast Ethernet ProView Switch 4-port + x100FX port (Singlemode, SC type), Fast Ethernet ProView Switch with Wide Temperat ure 4-port + 1 x100FX port (Multi-(Multi-mode, SC type), Fast Ethernet ProView Switch 4-port+1/4:100FX port (Multi-mode, SC type), Fast Ethern et et ProVie w Switch with Wide Temper ature 4-port + x100F Xport (Singl mode, mode, ST type), Fast Ethernet ProView Switch 4-port + 1 x100FX port (Single-mode, ST type), Fast Ethernet ProView Switch with Wide Temperat ure 4-port + 1 x100FX port (Multimode, ST type), Fast Ethernet ProView Switch

with solid mounting kits

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Enclosure IP30, metal shell

DIN-Rail, Wall

③ ST type), **EKI-5525MI-ST** 4-port + 1 x100FX port (Multi-mode,

Fast Ethernet ProView Switch with Wide Temperature

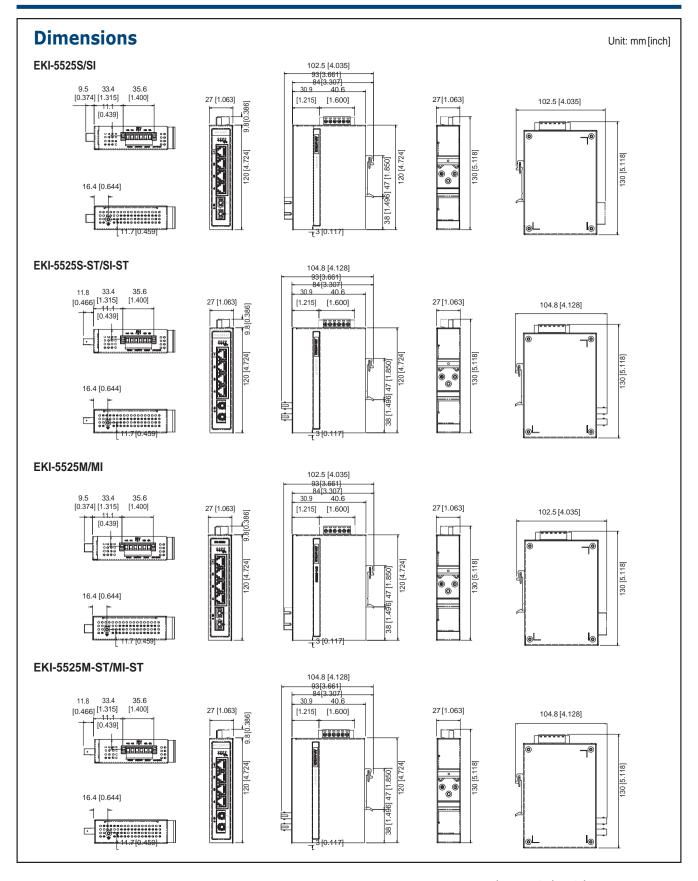
ADVANTECH

Industrial Ethernet Soultions

Mounting

 $\overline{\text{All product specifications}} \, \text{are subject to change without notice} \,$ 

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