

# EKI-5525/I

# EKI-5528/I

## 5-port Fast Ethernet ProView Switch

## 8-port Fast Ethernet ProView Switch

**NEW**



EKI-5525/I

EKI-5528/I



### 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
- EMS level 3 protection for extreme outdoor environments
- Supports IEEE 802.3az, Energy Efficient Ethernet Standard
- Supports maximum 9,216 Byte Jumbo Frames
- Supports redundant 12~48V<sub>DC</sub> power input and P-Fail relay
- Loop detection

### Introduction

The EKI-5525/I and EKI-5528/I 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 the 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-5525/I and EKI-5528/I switches use the highest quality components, to enable the range to operate in temperatures of between -40 and 75°C along with Level 3 EMS protection to repel electromagnetic interference for industrial resistance.

### Specifications

#### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az
- **LAN** 10/100Base-T(X)
- **Transmission Distance** Up to 100 m
- **Transmission Speed** Up to 100 Mbps

#### Interface

- **Connectors** EKI-5525/I: 5 x RJ45  
EKI-5528/I: 8 x RJ45  
6-pin removable screw terminal (power & relay)
- **LED Indicators** P1, P2, P-Fail, Loop detection  
10/100T (X): Link/Activity, Speed

#### Switch Properties

- **MAC Table Size** EKI-5525/I: 2K  
EKI-5528/I: 8K
- **Packet Buffer Size** EKI-5525/I: 1M bit  
EKI-5528/I: 2M bit
- **Switch Fabric Speed** EKI-5525/I: 1Gbps  
EKI-5528/I: 1.6 Gbps
- **Jumbo Frame** EKI-5525/I: 9216 bytes  
EKI-5528/I: 2048 bytes

#### Power

- **Power Consumption** EKI-5525/I: Max. 2.4 W  
EKI-5528/I: Max. 2.2 W
- **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

#### Mechanism

- **Dimensions (W x H x D)** EKI-5525/I: 27 x 120 x 93 mm  
EKI-5528/I: 43 x 120 x 93 mm
- **Enclosure** IP30, metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

#### Protection

- **Reverse Polarity** Present
- **Overload current** Present

#### Environment

- **Operating Temperature** EKI-5525 & EKI-5528: -10~60°C (14~140°F)  
EKI-5525I & EKI-5528I: -40~75°C (-40~167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** EKI-5525/I: TBD  
EKI-5528/I: TBD

#### Certification

- **Safety** UL508, Class 1 Division 2
- **EMI** FCC Part 15 Subpart B Class A, EN 55011/55022 Class A
- **EMS** EN 61000-4-2 (Level 3)  
EN 61000-4-3 (Level 3)  
EN 61000-4-4 (Level 3)  
EN 61000-4-5 (Level 3)  
EN 61000-4-6 (Level 3)  
EN 61000-4-8 (Level 3)
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6

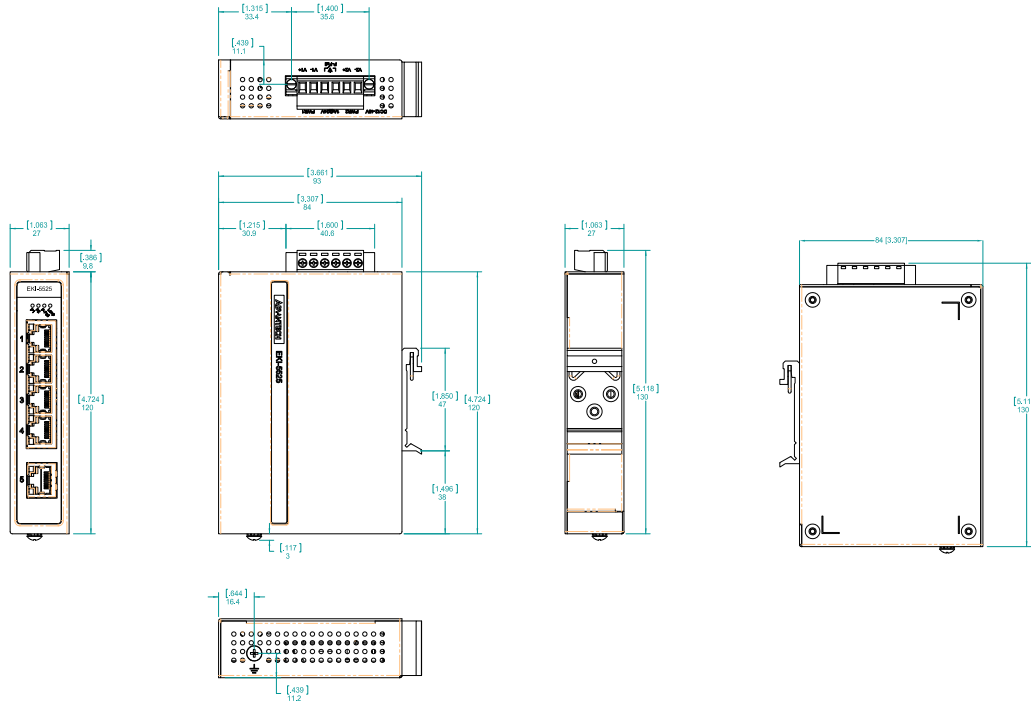
### Ordering Information

- **EKI-5525** 5-port Fast Ethernet ProView Switch
- **EKI-5525I** 5-port Fast Ethernet ProView Switch with Wide Temperature
- **EKI-5528** 8-port Fast Ethernet ProView Switch
- **EKI-5528I** 8-port Fast Ethernet ProView Switch with Wide Temperature

# EKI-5525/I & EKI-5528/I

## EKI-5525 Mounting Dimensions

Unit: mm [inch]



## EKI-5528 Mounting Dimensions

Unit: mm [inch]

