

# EKI-5525/I

# EKI-5528/I

## 5-port Fast Ethernet ProView Switch

## 8-port Fast Ethernet ProView Switch



### Features

- ③ 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-5525I and EKI-5528I only)
- ③ 12~48 V<sub>DC</sub> (8.4~52.8 V<sub>DC</sub>) wide-range power input EMS level 3 protection for extreme outdoor environments
- ③ IEEE 802.3az Energy Efficient Ethernet (EEE)
- ③ Jumbo Frame Support
- ③ Supports redundant 12~48 V<sub>DC</sub> power input and P-Fail relay
- ③ 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 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
- ③ **LAN** 10/100Base-T(X)
- ③ **Transmission Distance** Up to 100 m
- ③ **Transmission Speed** Up to 100Mbps

- ③ kits
- ③

EKI-5528/I: 43 x 120 x 84 mm

**Enclosure** IP30, metal shell with solid mounting

**Mounting** DIN-Rail, Wall

### Interface

- ③ **Connectors**  
EKI-5525/I: 5x RJ45  
EKI-5528/I: 8x RJ45  
6-pin removable screw terminal (power & relay)
- ③ **LED Indicators** P1, P2, P-Fail, Loop detection
- ③ 10/100T (X): Link/Activity, Speed

### Switch Properties

- ③ **MAC Table Size**  
EKI-5525/I: 2K  
EKI-5528/I: 8K
- ③ **Packet Buffer Size** EKI-5525/I: 1M
- ③ **Switching Capacity**  
EKI-5528/I: 128K bit  
EKI-5525/I: 1.6 Gbps
- ③ **Jumbo Frame**  
EKI-5525/I: 9216 bytes  
EKI-5528/I: 2048 bytes

### Power

- ③ **Power Consumption** EKI-5525/I: Max. 2W
- ③ **Power Input** EKI-5528/I: Max. 3.6 W  
12~48 V<sub>DC</sub> (8.4~52.8 V<sub>DC</sub>), redundant dual inputs
- ③ **Fault Output** 1 Relay Output

### Mechanism

- ③ **Dimensions (W x H x D)** EKI-5525/I: 27 x 120 x 84 mm

## Protection

③	<b>Reverse Polarity</b>	Present
③	<b>Overload Current</b>	Present

## Environment

③	<b>Operating Temperature</b>	EKI-5525 & EKI-5528: -10~60°C (14~140°F)
		EKI-5525I & EKI-5528I: -40~75°C (-40~167°F)
③	<b>Storage Temperature</b>	-40 ~ 85°C (-40 ~ 185°F)
③	<b>Operating Humidity</b>	10 ~ 95% (non-condensing)
③	<b>Storage Humidity</b>	10 ~ 95% (non-condensing)
③	<b>MTBF</b>	EKI-5525/I: 5,168,110 hours EKI-5528/I: 5,235,270 hours

## Certification

③	<b>Safety</b>	IIEC/EN60950, UL60950,
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③ **EMS**

③ **Shock**

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## Ordering Information

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③ Switch

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UL508, Class 1 Division 2, ATEX  
**EMI** FCC Part 15 Subpart B Class A, EN 55011/55022 Class A  
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)  
IEC 60068-2-27  
**Freefall** IEC 60068-2-32  
**Vibration** IEC 60068-2-6

**EKI-5525** 5-port Fast Ethernet ProView

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

**EKI-5528** 8-port Fast Ethernet ProView

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

## Industrial Ethernet Solutions

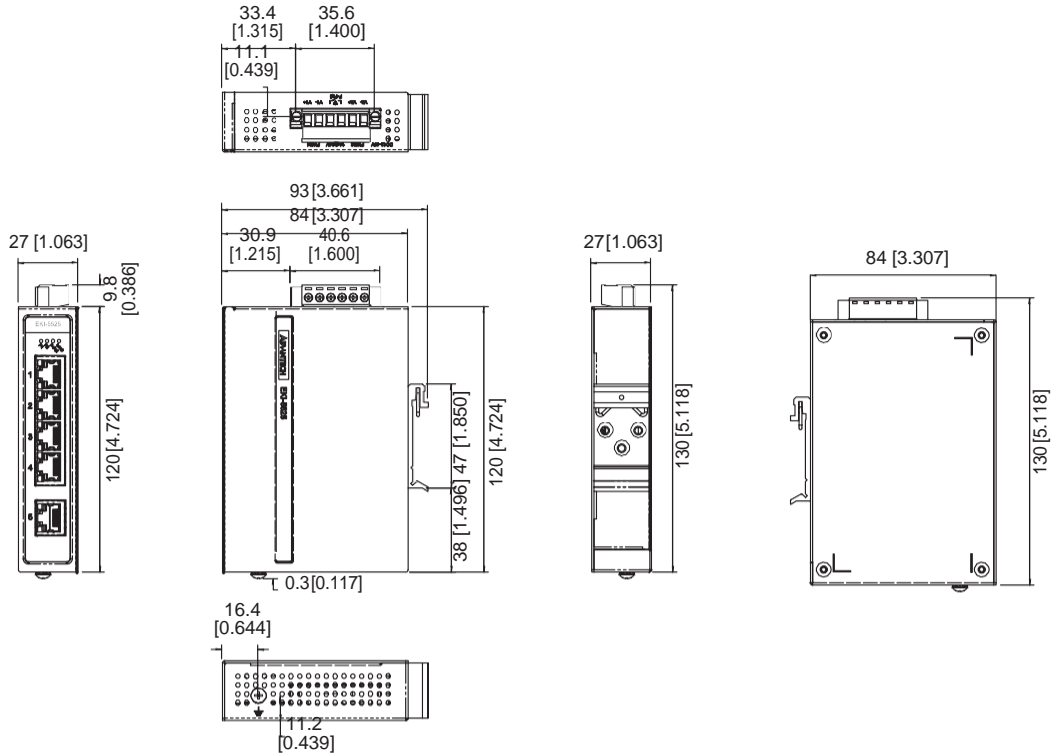
All products specifications are subject to change without notice

Last updated : 5-May-2015

# Dimensions

Unit: mm [inch]

## EKI-5525



## EKI-5528

