

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_{DC} (8.4~52.8 V_{DC}) 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_{DC} 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_{DC} (8.4~52.8 V_{DC}), 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	Reverse Polarity	Present
③	Overload Current	Present

Environment

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

Certification

③	Safety	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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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

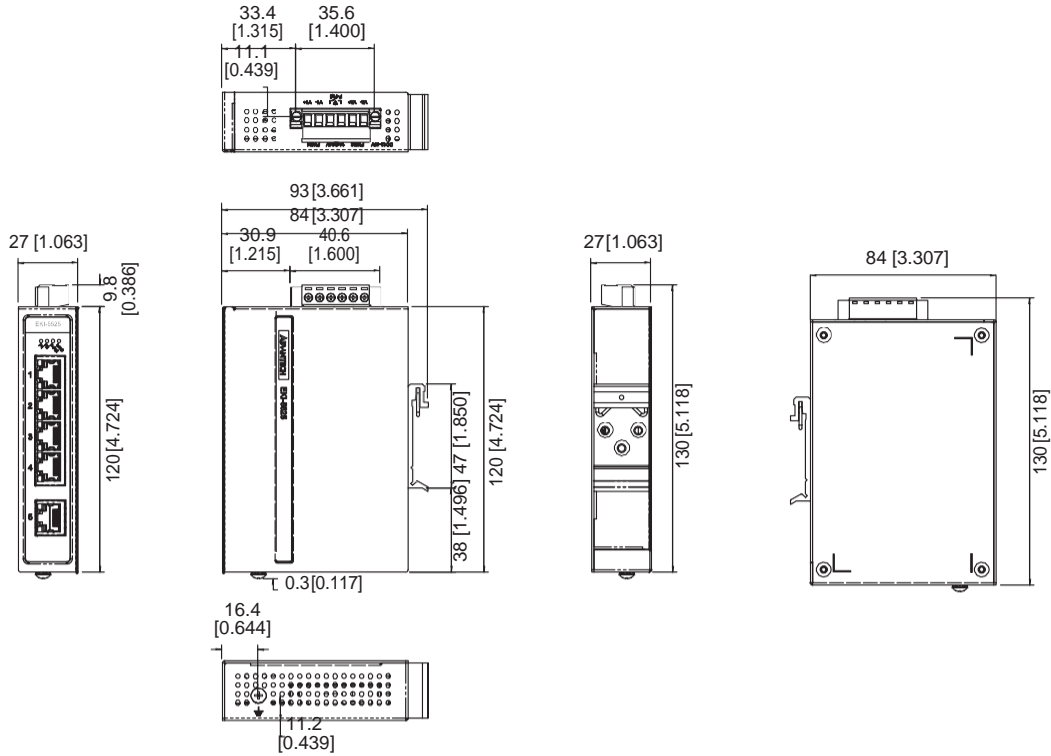
All products specifications are subject to change without notice

Last updated : 5-May-2015

Dimensions

Unit: mm [inch]

EKI-5525



EKI-5528

