EKI-5525/I EKI-5528/I

5-port Fast Ethernet ProView Switch

8-port 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-5525I and EKI-5528I only)
- $12 \sim 48 V_{DC}$ (8.4 ~ 52.8 V_{DC}) wide-range power inputEMS level 3 protection for extreme outdoor environments
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- Jumbo Frame Support
- Supports redundant 12 ~ 48 V_{DC} 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 EMS Level 3 protection to repel electromagnetic interface for industrial resistance.

Specifications

Communications

Standard	IEEE 802.3, 802.3u, 802.3x, 802.1p, 802.3az
LAN	10/100Base-T(X)

- I AN
- Transmission Distance **Transmission Speed**

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

EKI-5525/I: 2K

EKI-5528/I: 8K

EKI-5525/I: 1M bit

EKI-5528/I: 128K bit

EKI-5528/I: 1.6 Gbps

EKI-5525/I: 9216 bytes

EKI-5528/I: 2048 bytes

2 W

EKI-5525/I: 1Gbps

Up to 100 m

Up to 100 Mbps

Switch Properties

MAC Table Size

- Packet Buffer Size
- Switching Capacity
- Jumbo Frame

Power

	Power Consumption	EKI-5525/I: Max. 2 W
		EKI-5528/I: Max.3.6 W
•	Power Input	12~48 V _{DC} (8.4~52.8 V _{DC}), redundant dual inputs

	Power Input
•	Fault Output

- Mechanism

•	Dimensions (W x H x D)	EKI-5525/I: 27 x 120 x 84 mm
		EKI-5528/I: 43 x 120 x 84 mm

 Enclosure 	IP30, metal shell with solid mounting kits
 Mounting 	DIN-Rail, Wall

1 Relay Output

Protection

	Reverse Polarity	Present
1	Overload Current	Present

Environment

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    Operating Temperature EKI-5525 & EKI-5528: -10~60°C (14~140°F)

                           EKI-5525I & EKI-5528I: -40~75°C (-40~167°F)
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ATFX

- **Storage Temperature**
- **Operating Humidity**
- Storage Humidity MTBF
 - EKI-5525/l: 5,168,110 hours EKI-5528/I: 5,235,270 hours

Certification

- Safety
- EMI
- EMS

Shock

Freefall

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 IEC 60068-2-32

IIEC/EN60950, UL60950, UL508, Class 1 Division 2,

-40~85°C (-40~185°F)

10 ~ 95% (non-condensing) 10 ~ 95% (non-condensing)

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

