EKI-2525/I EKI-2528/I

5-port Unmanaged Industrial Ethernet Switch

8-port Unmanaged Industrial Ethernet Switch



Features

- Provides 5/8 Fast Ethernet ports with Auto MDI/MDI-X
- Supports 10/100 Mbps Auto-Negotiation
- Provides broadcast storm protection
- Provides compact size with DIN-rail/Wall mount, and IP30 metal mechanism
- Supports redundant $12 \sim 48 \text{ V}_{DC}$ power input and P-Fail relay
- Supports wide operating temperatures from -40 to 75°C (EKI-2525I/EKI-2528I)

Introduction

The EKI-2525/2528 supports a Fast Ethernet solution. The power is a $+12 \sim 48 \, V_{DC}$ redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Resetable Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. As the power supply turns normal, EKI-2525/2528 will automatically get back to work. Each port of EKI-2525/2528 has 2 LED's to show the link status transmission speed and collision status. It also provides a relay output for an event alarm. In the event of a power failure, the built-in LED will activate the alarm to notify administrators. Engineers can simply verify the hardware status by checking the LED, and have troubleshooting easy and quick. EKI-2525/2528 comes with compact metal housing that rates IP30 to help against from dusty industrial environments.

Specifications

Communications

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

Interface

Connectors
8 x RJ45 (EKI-2528) or 5 x RJ45 (EKI-2525)
6-pin removable screw terminal (power & relay)

LED Indicators P1, P2, P-Fail

10/100T (X): Link/Activity, Duplex/Collision

Power

■ Power Consumption EKI-2528: Max. 5 W

EKI-2525: Max. 3 W

Power Input
12 ~ 48 V_{DC}, redundant dual inputs

• Fault Output 1 Relay Output

Mechanism

Dimensions (W x H x D) 37 x 140 x 95 mm (1.46" x 5.51" x 3.74")
Enclosure
IP30, Metal shell with solid mounting kits

Mounting DIN-rail, Wall

Protection

Reverse Polarity PresentOverload current Present

Environment

• Operating Temperature $-10 \sim 60^{\circ}\text{C} (14 \sim 140^{\circ}\text{F})$

-40 ~ 75°C (-40 ~ 167°F), (EKI-2525I and EKI-2528I)

Storage Temperature
Operating Humidity
Storage Humidity
MTBF
- 0, 25° (-40 ~ 185° F)
5 ~ 95% (non-condensing)
0 ~ 95% (non-condensing)
689,000 hours (EKI-2528)
412,590 hours (EKI-2525)

Certification

EMS

Safety
UL 60950-1, CAN/CSA-C22.2 No.60950

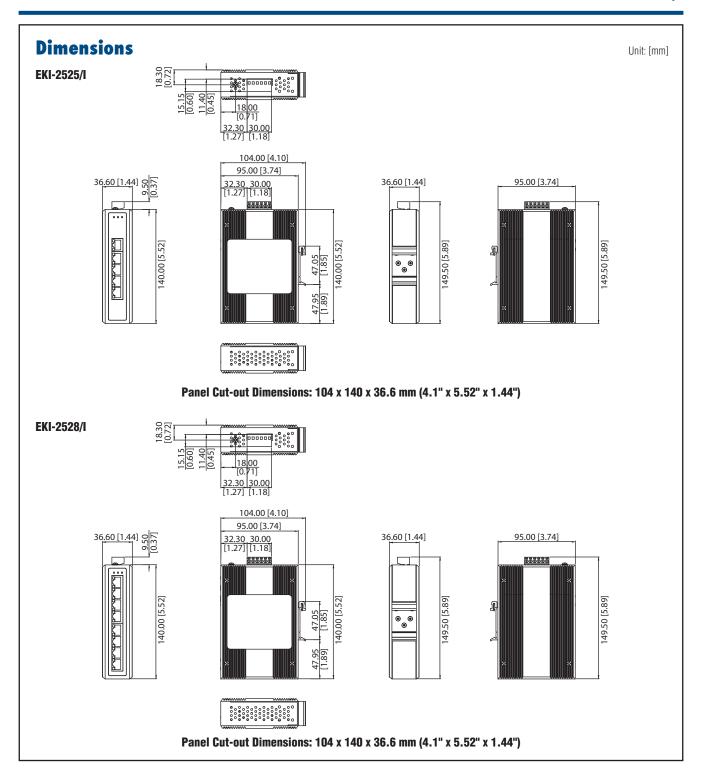
Class I, Division 2

• EMI FCC Part 15 Subpart B Class A, EN 55022 Class A

EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5

EN 61000-4-5 EN 61000-4-6 EN 61000-4-8

Shock IEC 60068-2-27
Freefall IEC 60068-2-32
Vibration IEC 60068-2-6



Ordering Information

EKI-2525 5-port Ethernet Switch

EKI-2525I 5-port Ethernet Switch w/ Wide Temp

EKI-2528 8-port Ethernet Switch

EKI-25281 8-port Ethernet Switch w/ Wide Temp