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 ~ 48 VDC 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 ~ 48 Vnc 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-2525/I: 2.88 Watts EKI-2528/I: 4.71 Watts
•	Power Input	$12 \sim 48 V_{\text{DC}}$, redundant dual inputs
•	Fault Output	1 Relay Output

Mechanism

- Dimensions (W x H x D) EKI-2525: 30 x 120 x 95 mm (1.18" x 4.72" x 3.74) EKI-2528: 30 x 140 x 95 mm (1.18" x 5.51" x 3.74)
- Enclosure IP30, Metal shell with solid mounting kits DIN-rail, Wall Mounting

Protection

Reverse Polarity	Present
Overload current	Present

Environment

- Operating Temperature -10 ~ 60°C (14 ~ 140°F) -40 ~ 75°C (-40 ~ 167°F), (EKI-2525I and EKI-2528I)
- Storage Temperature Operating Humidity
- Storage Humidity

MTBF

388,566 hours (EKI-2528) 412,590 hours (EKI-2525)

-40 ~ 85°C (-40 ~ 185°F)

10 ~ 95% (non-condensing)

10~95% (non-condensing)

Certification

EKI-2525/I: UL/cUL 60950 Safety EKI-2528/I: UL/cUL 60950 Class I, Division 2, Groups A, B, C and D = EMI FCC Part 15 Subpart B Class A, EN 55022 Class A EMS EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 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

EKI-2525/I **EKI-2528/I**



Ordering Information

- EKI-2525-BE
- 5-port Ethernet Switch
- EKI-2525I-BE 5-port Ethernet Switch w/ Wide Temp • EKI-2528-BE
 - 8-port Ethernet Switch
- 8-port Ethernet Switch w/ Wide Temp EKI-2528I-BE