

5-port Gigabit Unmanaged Industrial **Ethernet Switch**



Features

- Provides 5 Gigabit Ethernet ports with Auto MDI/MDI-X
- Supports 10/100/1000 Mbps Auto Negotiation
- Supports jumbo frame transmission up to 9kbytes
- Provides Slim size, DIN-rail with IP30 metal mechanism
- Supports Redundant 12 ~ 48 V_{DC} power input and P-Fail Relay

Introduction

The EKI-2725 supports Gigabit Ethernet. The power is a +12 ~ 48 VDC redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. Each port of EKI-2725 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 guick. EKI-2725 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, 802.3ab
- LAN
- 10/100/1000Base-T(X)
- Transmission Distance Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable)
- Up to 1000 Mbps Transmission Speed

Interface

Connectors 5 x RJ45 6-pin removable screw terminal (power & relay) LED Indicators P1, P2, P-Fail 10/100/1000T (X): Link/Activity, Duplex/Collision

Power

•	Power Consumption	2.5W
•	Power Input	$12 \sim 48 V_{DC}$, redundant dual inputs

- Power Input
- Fault Output

Mechanism

Dimensions (W x H x D) 30 x 140 x 95 mm (1.18" x 5.51" x 3.74")

1 Relay Output

- Enclosure IP30. Metal shell with solid mounting kits Mounting DIN-rail, Wall

Protection

- Power Reverse Present
- Overload current Present

Environment

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- Operating Temperature -10 ~ 60°C (14 ~ 140°F) -40 ~ 75°C (-40 ~ 167°F) / (I model) Storage Temperature
 - -40 ~ 85°C (-40 ~ 185°F)
 - **Operating Humidity** 10 ~ 95% (non-condensing)
- Storage Humidity 10~95% (non-condensing) 2,296,909 hours
- MTBF

Certifications

 Safety FMI 	UL 60950 CE. FCC 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-2725/I



Ordering Information

- EKI-2725-CE
- 5-port Gigabit Unmanaged Switch
- EKI-2725I-CE
- 5-port Gigabit Unmanaged Switch w/wide temp