

### 8-port Gigabit Unmanaged Industrial **Ethernet Switch**



## **Features**

- Provides 8 Gigabit Ethernet ports with Auto MDI/MDI-X
- Supports 10/100/1000 Mbps Auto Negotiation
- Supports jumbo frame transmission up to 10kbytes
- Provides Slim size, DIN-rail with IP30 metal mechanism
- Supports Redundant 12 ~ 48 V<sub>DC</sub> power input and P-Fail Relay

### Introduction

The EKI-2728 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-2728 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-2728 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 8 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	5.8W
	Power Input	12 ~ 48 V <sub>DC</sub> , redundant dual inputs

- 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) Storage Temperature

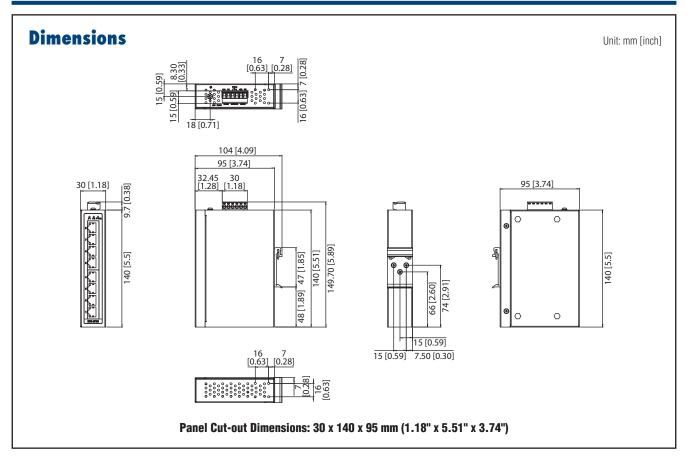
-40 ~ 75°C (-40 ~ 167°F) / (I model) -40 ~ 85°C (-40 ~ 185°F)

- **Operating Humidity** 10 ~ 95% (non-condensing)
- Storage Humidity 10~95% (non-condensing) 1,988,083 hours
- MTBF

### Certifications

<ul> <li>Safety</li> </ul>	UL 62368
= EMI	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
<ul> <li>Freefall</li> </ul>	IEC 60068-2-32
<ul> <li>Vibration</li> </ul>	IEC 60068-2-6

## EKI-2728/I



# **Ordering Information**

- EKI-2728-CE
- 8-port Gigabit Unmanaged Switch
- EKI-2728I-CE 8-port Gigabit Unmanaged Switch w/wide temp