# EKI-2725/I

# 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<sub>DC</sub> power input and P-Fail Relay



#### **Introduction**

The EKI-2725 supports Gigabit Ethernet. The power is a  $\pm$ 12  $\pm$  48 V<sub>DC</sub> 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 quick. 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)

• Transmission Speed Up to 1000 Mbps

#### 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 ~ 48 V<sub>DC</sub>, redundant dual inputs

• Fault Output 1 Relay Output

#### Mechanism

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

• **Enclosure** IP30, Metal shell with solid mounting kits

• Mounting DIN-rail, Wall

#### **Protection**

Power Reverse PresentOverload current Present

#### **Environment**

■ 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)

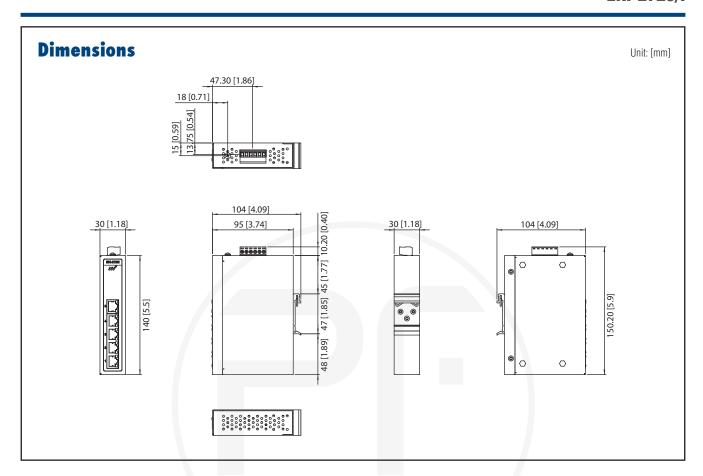
■ **MTBF** 2,296,909 hours

#### **Certifications**

■ Safety 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
■ Freefall IEC 60068-2-32
■ Vibration IEC 60068-2-6

PF ELECTRONIC



## **Ordering Information**

• **EKI-2725-CE** 5-port Gigabit Unmanaged Switch

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