

# EKI-2728/I

## 8-port Gigabit Unmanaged Industrial Ethernet Switch



### Features

- ③ Provides 8 Gigabit Ethernet ports with Auto MDI/MDI-X
- ③ Supports 10/100/1000 Mbps Auto Negotiation
- ③ Supports jumbo frame transmission up to 10kbytes
- ③ Provides Slim size, DIN-rail with IP30 metal mechanism
- ③ 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 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-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 quick. EKI-2728 comes with compact metal housing that rates IP30 to help against from dusty industrial environments.

### Specifications

#### Communications

- ③ **Standard** IEEE 802.3, 802.3u, 802.3x, 802.3ab
- ③ **LAN** 10/100/1000Base-T(X)
- ③ **Transmission Distance** Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable)
- ③ **Transmission Speed** Up to 1000 Mbps

#### Interface

- ③ **Connectors** 8 x RJ45  
6-pin removable screw terminal (power & relay)
- ③ **LED Indicators** P1, P2, P-Fail  
10/100/1000T (X): Link/Activity, Duplex/Collision

#### Power

- ③ **Power Consumption** 5.8W
- ③ **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual inputs
- ③ **Fault Output** 1 Relay Output

#### Mechanism

- ③ **Dimensions (W x H x D)** 30 x 140 x 95 mm (1.18" x 5.51" x 3.74")
- ③ **Enclosure** IP30, Metal shell with solid mounting kits
- ③ **Mounting** DIN-rail, Wall

#### Protection

- ③ **Power Reverse** Present
- ③ **Overload current** Present

#### Environment

- ③ **Operating Temperature** -10 ~ 60°C (14 ~ 140°F)  
-40 ~ 75°C (-40 ~ 167°F) / (I model)
- ③ **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- ③ **Operating Humidity** 10 ~ 95% (non-condensing)
- ③ **Storage Humidity** 10 ~ 95% (non-condensing)
- ③ **MTBF** 1,988,083 hours

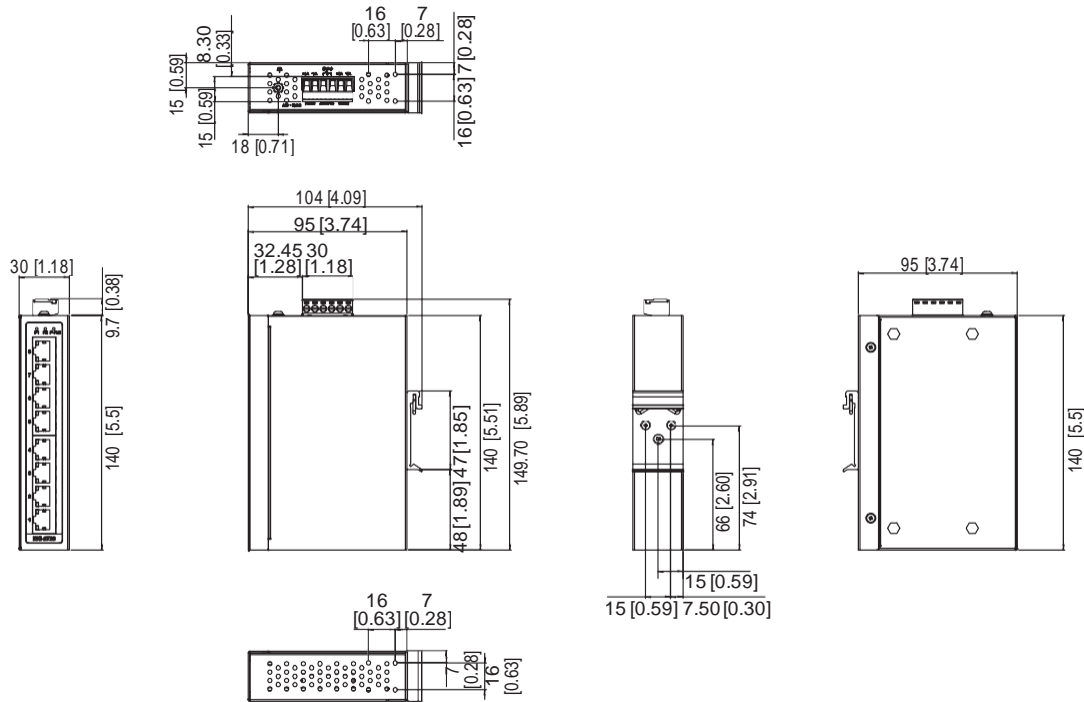
#### Certifications

- ③ **Safety** UL 62368
- ③ **EMI CE, FCC Class A**
- ③ **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
- ③ **Shock** IEC 60068-2-27
- ③ **Freefall** IEC 60068-2-32
- ③ **Vibration** IEC 60068-2-6



## Dimensions

Unit: mm [inch]



Panel Cut-out Dimensions: 30 x 140 x 95 mm (1.18" x 5.51" x 3.74")

## Ordering Information

- ③ EKI-2728-CE 8-port Gigabit Unmanaged Switch
- ③ EKI-2728I-CE 8-port Gigabit Unmanaged Switch w/wide temp