Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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EKI-2725F/FI

4GE + 1SFP port Gigabit Unmanaged Industrial Ethernet Switch

Features

- Provides 4 GE+ 1 SFP ports with auto MDI/MDI-X
- Supports 10/100/1000 Mbps auto negotiation
- Supports jumbo frame transmission up to 9kb
- Provides slim size, DIN-rail with IP30 metal mechanism
- Supports redundant 12 ~ 48 V_{DC} power input and P-Fail relay
- Provides broadcast storm protection

Introduction

The EKI-2725F supports Gigabit Ethernet. The power rating is +12 ~ 48 V_{DC} redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protection and an Overload Current Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. Each port of EKI-2725F 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, which makes troubleshooting quick and easy. EKI-2725F comes with compact metal housing rated at IP30 to protect against dusty industrial environments.

Specifications

Communications

- **Standard** — IEEE 802.3, 802.3u, 802.3x, 802.3ab, 802.3z
- **LAN** — 4 x 10/100/1000Mbps(RJ-45)+ 1 x 100/1000Mbps(SFP)
- **Transmission Distance** — Ethernet: Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable) SFP: Up to 110 km (depends on SFP)
- **Transmission Speed** — Up to 1000 Mbps

Interface

- **Connectors** — 4 x RJ45 + 1 x SFP 6-pin removable screw terminal (power & relay)
- **LED Indicators** — P1, P2, P-Fail 10/100/1000T (X): Link/Activity, Duplex/Collision SFP: LNK/ACT

Power

- **Power Consumption** — 2.5W
- **Power Input** — 12 ~ 48 V_{DC}, 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** — Present
- **Overload current** — Present
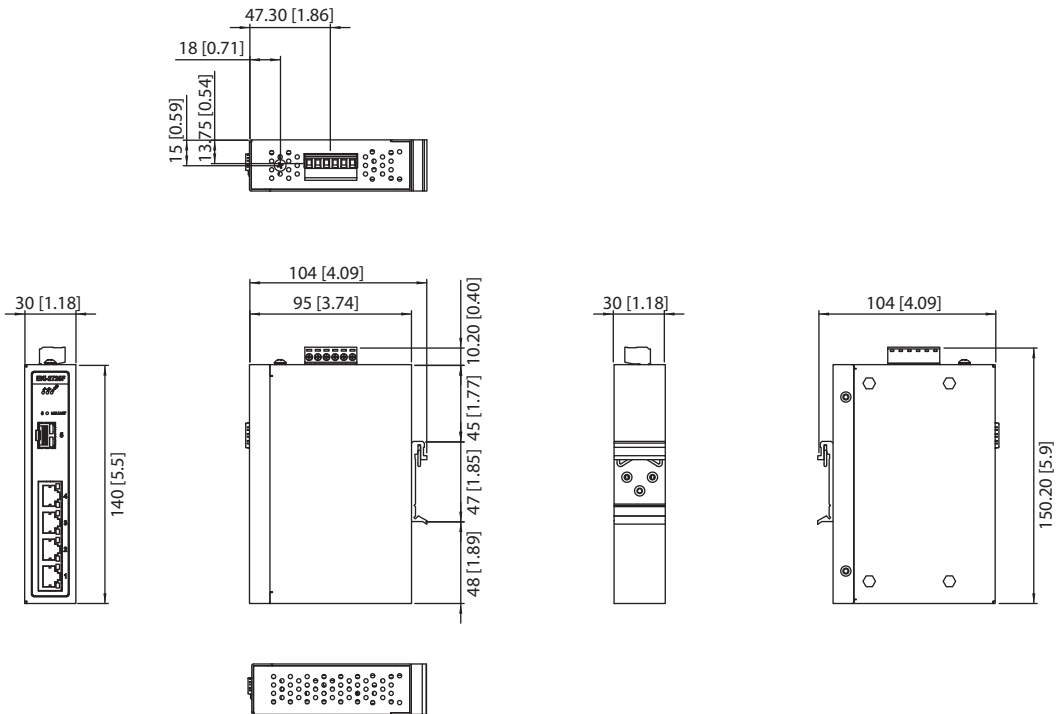
Environment

- **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** — 1,868,330 hours

Certifications

- **Safety** — UL 60950
- **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

Dimensions

Ordering Information

- **EKI-2725F-AE**   4GE + 1 SFP unmanaged switch
- **EKI-2725FI-AE**   4GE + 1 SFP unmanaged switch w/wide temp