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!

## Contact us

# EKI-2741FPI
# EKI-2742FPI

## Industrial Grade IP31 Gigabit Media Converter Series



EKI-2741FPI          EKI-2742FPI

## Features

- Supports multi-rate for SFP slot
- IEEE 802.3af/at compliant
- Power input 48 $V_{DC}$, supply 30W per port
- Provides slim size and DIN-rail/Wall mount with IP31 metal mechanism
- Supports operating temperatures from -40 to 75°C

## Introduction

With the technology of PoE (Power over Ethernet), we can transfer both data and electrical power to Ethernet-enabled devices using a standard CAT5 cable. EKI-2741FPI / EKI-2472FPI are compliant IEEE 802.3af/at and supply to 30W for PD device. This product can operate in a wide range of Temp. between -40 to 75°C.

## Specifications

### Communications

- **Standard**            IEEE 802.3, 802.3u, 802.3x, 802.3af/at, 802.3ab
- **LAN**                 10/100/1000Base-T (X)
- **Transmission Distance**  Ethernet: Up to 100 m
- **Transmission Speed**  Up to 1000 Mbps

### Interface

- **Connectors**         100/1000Base-X (SFP)
                         10/100/1000Base-T/TX
                         2-pin removable screw terminal
- **LED Indicators**     PWR, PoE Status, Link/Activity

### Power

- **Power Consumption**  EKI-2471FPI: Max. 34 W (Full load PoE+)
                         EKI-2472FPI: Max. 63.5 W (Full load PoE+)
- **Power Input**        48 $V_{DC}$ (Single input)
- **Power Output**       30W

### Mechanism

- **Dimensions (W x H x D)**  36.7 x 108.4 x 103.5 mm (1.44" x 4.27" x 4.07")
- **Enclosure**          IP31, Metal shell with solid mounting kits
- **Mounting**           DIN-rail, Wall

### Protection

- **Power Reverse**      Present
- **Overload current**   Present
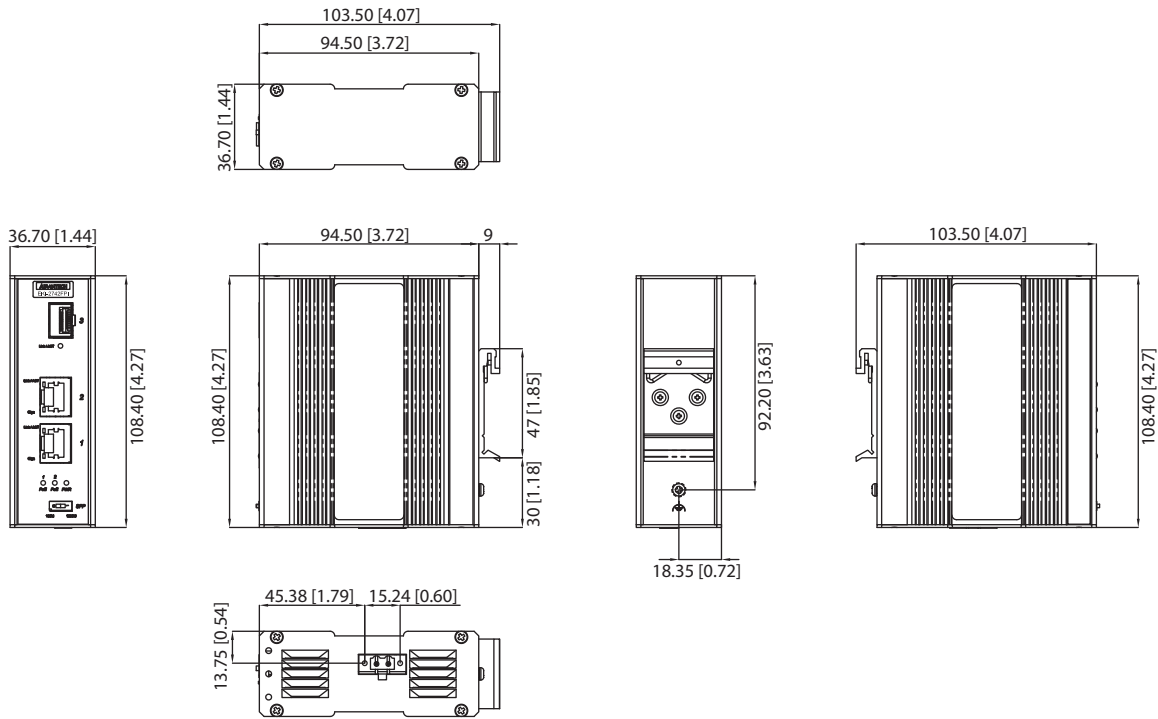
### Environment

- **Operating Temperature**  -40 ~ 75°C  (-40 ~ 167°F)
- **Storage Temperature**    -40 ~ 85°C  (-40 ~ 185°F)
- **Operating Humidity**     10 ~ 95% (non-condensing)
- **Storage Humidity**       0 ~ 95% (non-condensing)
- **MTBF**                   743,594 hours (EKI-2741FPI)
                             717,339 hours (EKI-2742FPI)

### Certification

- **Safety**             UL/cUL 508 Class I, Division 2, Groups A, B, C and D
- **EMI**                FCC Part 15 Subpart B Class A, EN 55022 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

Unit: mm [inch]

103.50 [4.07]
94.50 [3.72]
36.70 [1.44]

36.70 [1.44]
108.40 [4.27]

94.50 [3.72]
9
108.40 [4.27]
47 [1.85]
30 [1.18]

92.20 [3.63]
18.35 [0.72]

103.50 [4.07]
108.40 [4.27]

45.38 [1.79]
15.24 [0.60]
13.75 [0.54]

**Panel Cut-out Dimensions: 36.7 x 108.4 x 103.5 mm (1.44" x 4.27" x 4.07")**

# Ordering Information

- **EKI-2741FPI**      Gigabit Media Converter SFP with 1x PoE 802.3at
- **EKI-2742FPI**      Gigabit Media Converter SFP with 2x PoE 802.3at