EKI-2741FPI
EKI-2742FPI

Industrial Grade IP31 Gigabit Media Converter Series



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)

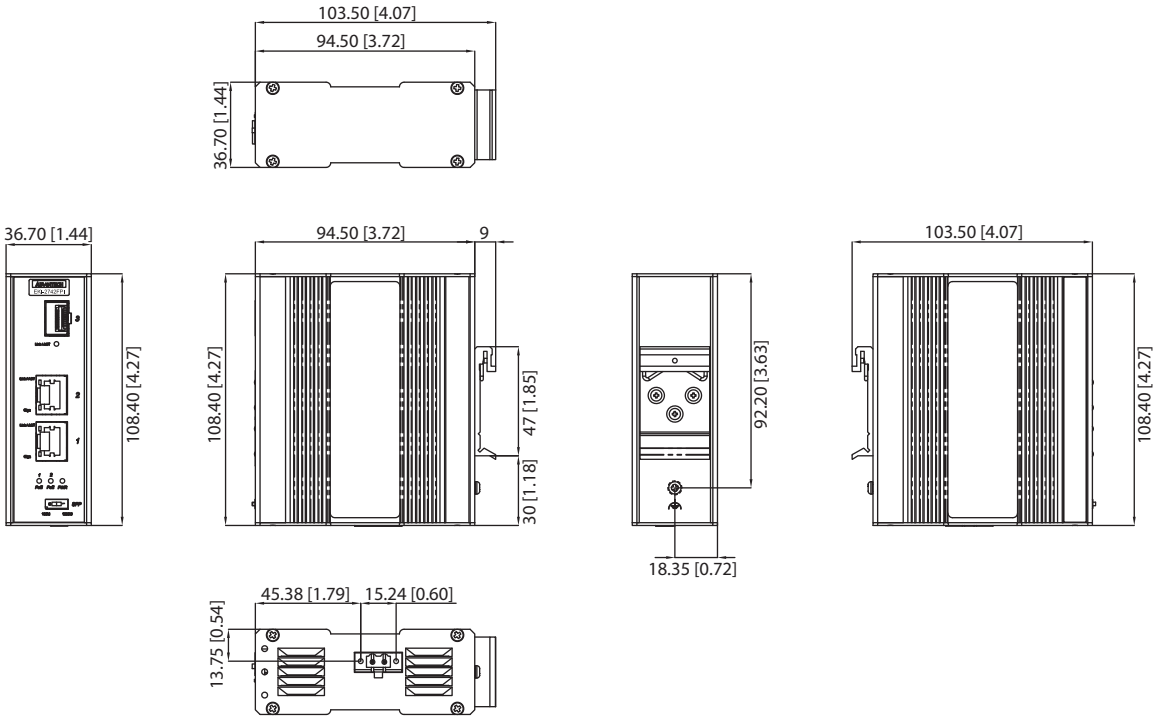
Certification

- **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

All product specifications are subject to change without notice

Dimensions

Unit: mm [inch]



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