

EKI-2701MPI

IEEE 802.3bt Gigabit 90W PoE Injector



Features

- Supports 10/100/1000Base-T (X) for PoE OUT and Data IN
- IEEE 802.3af/at/bt compliant
- Power input 55~57 V_{DC}, Inject power up to 90W
- Provides slim size and DIN-rail with IP40 metal mechanism
- Supports operating temperatures from -40 ~ 75°C

Introduction

With the technology of PoE (Power over Ethernet), both data and electrical power to Ethernet-enabled devices are using a standard CAT5 cable. EKI-2701MPI is new generation which compliant IEEE 802.3af/at/bt. The high-power PoE standard boosts the power budget of each port to 60W or even 90W with PD device.

The EKI-2701MPI BT PoE solution use the same cabling standard with IEEE 802.3af/at. Which instead of delivering power over to 4-pair twisted UTP with a maximum of up to 90 watts of power over Ethernet cable.

Specifications

Communications

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

Interface

- **Connectors** DATA IN: RJ45
PoE OUT: RJ45
- **LED Indicators** PoE, SYS

Power

- **Power Consumption** Max. 95 W (Full load PoE)
- **Power Input** 55~57 V_{DC} (Single input)
- **Power Output** 90W
- **Connectors** 6P Pluggable Terminal Block, DC Jack

Mechanism

- **Dimensions (W x H x D)** 84 x 80 x 25 mm (3.307" x 3.15" x 0.984")
- **Enclosure** IP40, Metal shell with solid mounting kits
- **Mounting** DIN rail, Wall

Protection

- **Reverse Polarity** Present

Environment

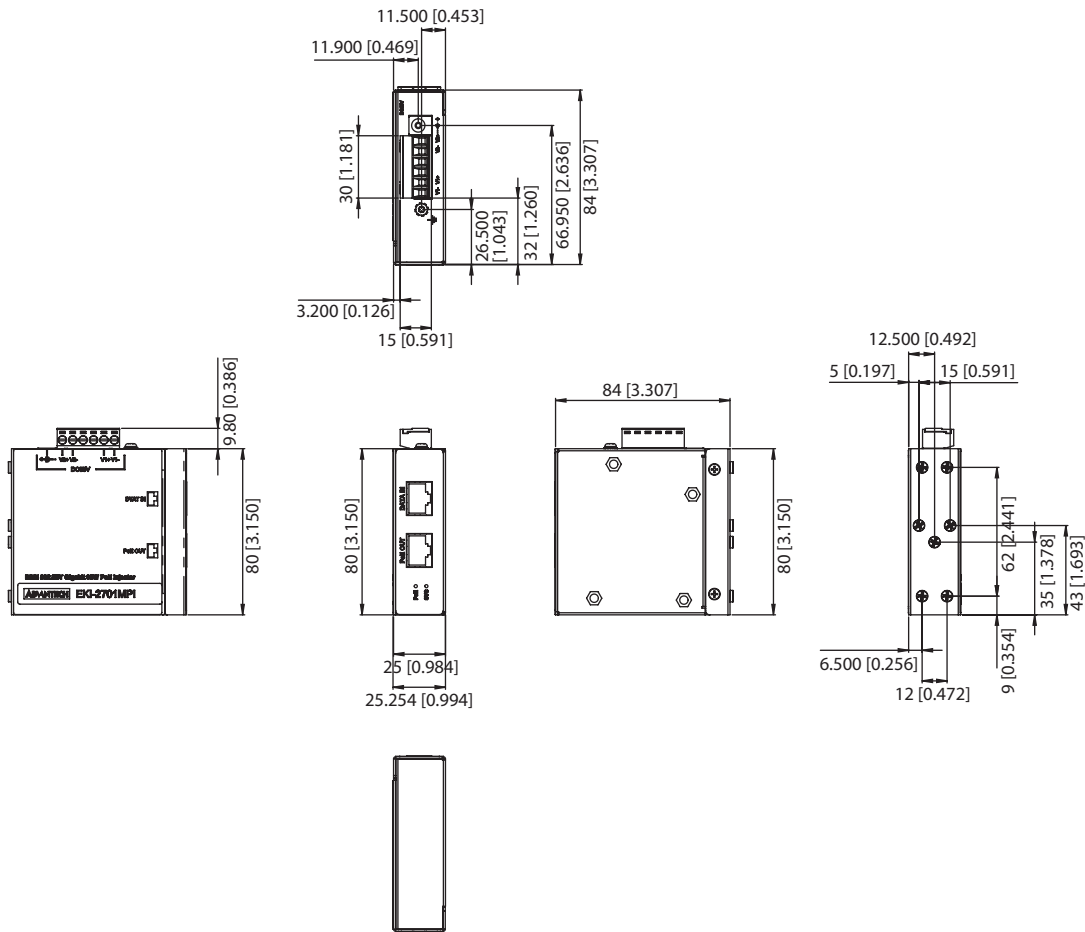
- **Operating Temperature** EKI-2701MPI-AE: -40 ~ 75°C (-40~167°F)
EKI-2701MPI-PS-AE: 0 ~ 40°C (32 ~ 104°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)

Certification

- **EMI** CE, FCC
- **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
- **Patent** <http://www.advantech.com/legal/patent>

Dimensions

Unit: mm [inch]



Panel Cut-out Dimensions (W x H x D): 84 x 80 x 25 mm (3.307" x 3.15" x 0.984")

Ordering Information

- **EKI-2701MPI-AE** IEEE 802.3bt Gigabit 90W PoE Injector
- **EKI-2701MPI-PS-AE** IEEE 802.3bt Gigabit 90W PoE Injector W/ PSU

Partner Information

- **EKI-2701MPI-R-AE** HDBaseT Gigabit 60W PoE Extender
- **EKI-7712G-4FMPI-AE** IEEE 802.3bt Gigabit 90W Mega PoE Industrial Switch