

# EKI-2701MPI-R

## HDBaseT Gigabit 60W PoE Extender



### Features

- Supports 10/100/1000Base-T (X) for HDBaseT PoE and Data in/out
- IEEE 802.3af/at compliant
- Power input 50 to 57 V<sub>DC</sub>, power up to 60W
- DIN-rail with IP40 metal mechanism
- Supports operating temperatures from -40 to 75°C

### Introduction

The EKI-2701MPI-R with high power PoE extender is designed to extend the connection easily without redeploying cables and power up to 30 watts with each PD device. It enables connections of Ethernet equipment to extend the distance of network communications. The EKI-2701MPI-R expands power and data, allowing PD device to be powered via an external PoE extender as if it had a local power supply.

### Specifications

#### Communications

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

#### Interface

- **Connectors** PoE Input: RJ-45  
Data IN/OUT: RJ45 (P1~P4)
- **LED Indicators** PWR, PoE Status, Link/Activity

#### Power

- **Power Consumption** Max. 65 W (Full load PoE+)
- **Power Input** 50 ~ 57 V<sub>DC</sub> (Single input)
- **Power Output** 60W

#### Mechanism

- **Dimensions (W x H x D)** 48.6 x 140 x 95 mm (1.91" x 5.51" x 3.74")
- **Enclosure** IP40, Metal shell with solid mounting kits
- **Mounting** DIN-rail

#### Protection

- **Reverse Polarity** 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** 10 ~ 95% (non-condensing)

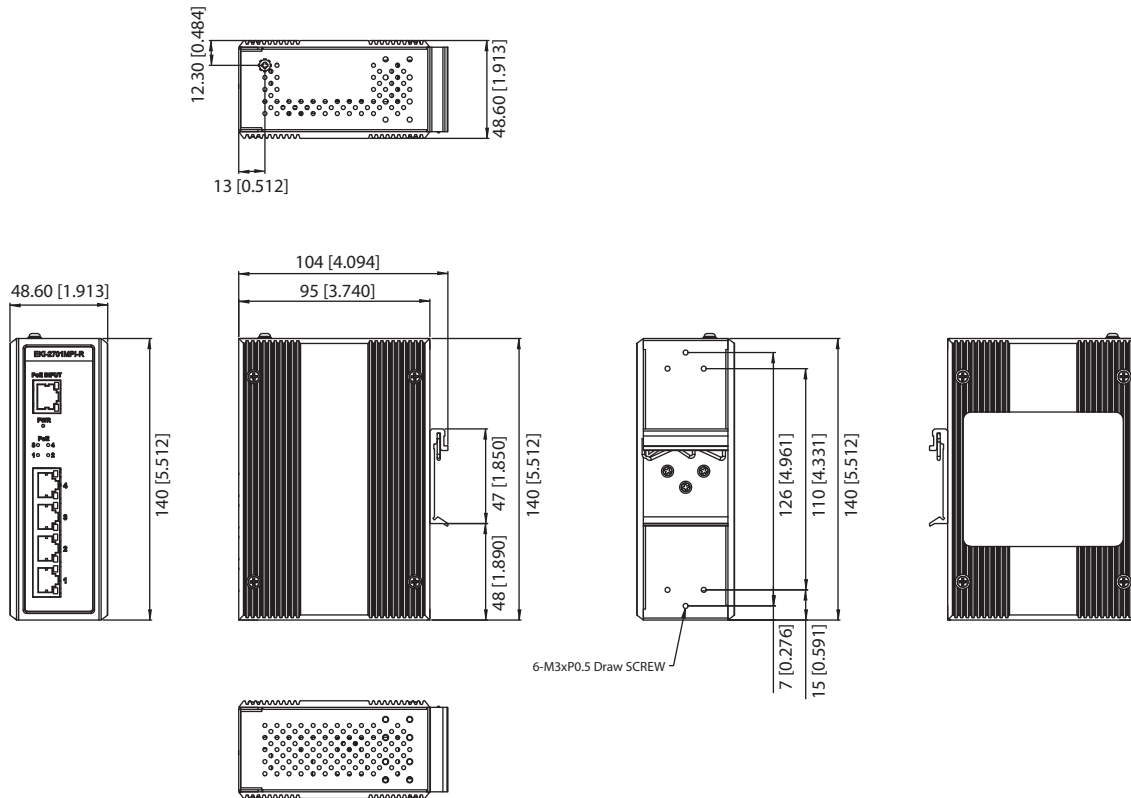
#### Certification

- **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>

## EKI-2701MPI-R

### Dimensions

Unit: mm [inch]



Panel Cut-out Dimensions (W x H x D): 48.6 x 140 x 95 mm (1.91" x 5.51" x 3.74")

### Ordering Information

- **EKI-2701MPI-R-AE** HDBaseT Gigabit 60W PoE Extender

### Partner Information

- **EKI-2701MPI-AE** IEEE 802.3bt Gigabit 90W PoE Injector
- **EKI-2701MPI-PS-AE** IEEE 802.3bt Gigabit 90W PoE Injector W/ PSU
- **EKI-7712G-4FMPI-AE** IEEE 802.3bt Gigabit 90W Mega PoE Industrial Switch