

# EKI-2701MPI

## IEEE 802.3bt Gigabit 90W PoE Injector

### Overview

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.

With the technology of PoE (Power over Ethernet), both data and electrical power to Ethernet-enabled devices are using a standard CAT5 cable. 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.

### Packing List

Before installation, please make sure that you have received the following:

- 1 x EKI-2701MPI or EKI-2701MPI-PS injector
- 1 x 130W 56V Power Supply (EKI-2701MPI-PS)
- 1 x Din-Rail, 1 x Wall-mount kit

If anything is missing or damaged, contact your distributor or sales representative immediately.

### Datasheet

For more detailed information, please refer to the full manual which can be found on the Advantech's website.

### Notes

For more information on this and other Advantech products, please visit our websites at:

<http://www.advantech.com/products>

For technical support and service:

<http://www.advantech.com/support/>

This startup manual is for EKI-2701MPI & EKI-2701MPI-PS

1st Edition

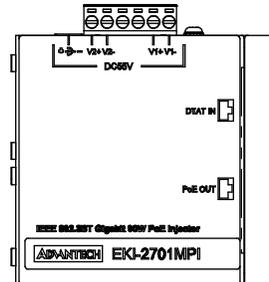
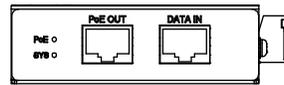
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### Specifications

#### General

- Compatibility:** IEEE 802.3, 802.3u, 802.3x, 802.3af/at/bt, 802.3ab
- LAN:** 10/100/1000Base-T (X)
- Transmission Distance:** Up to 100 m
- Transmission Speed:** Up to 1000Mbps
- Connectors:**
  - 1 x RJ45 W/ Data-in
  - 1 x RJ45 W/ PoE-out
- LED Indicators:** PoE, SYS
- Power:**
  - Power Consumption Max. 95 W (Full load PoE)
  - Power Input 55~57 V<sub>DC</sub> (Single input)
  - Power Output 90W
  - Connectors 6P Pluggable Terminal Block, DC Jack
- Dimensions (W x H x D):**  
84 x 80 x 25mm (3.307" x 3.15" x 0.984")
- Enclosure:** IP40
- Operating Temperature:**
  - EKI-2701MPI: -40 ~ 75°C (-40~167°F)
  - EKI-2701MPI-PS: 0 ~ 40°C (32 ~ 104°F)
- Storage Temperature:** -40 ~ 85°C (-40 ~ 185°F)
- Humidity:** 10 ~ 95% (non-condensing)
- EMC:** CE, FCC
- Warranty:** 2 years

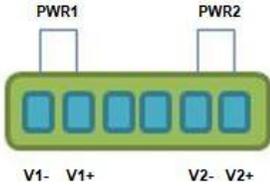
### Overview



## DIP Switch Power Connection

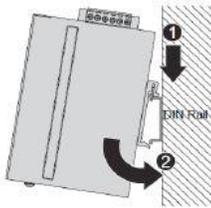
The EKI-2701MPI injector supports dual power inputs

1. Insert the positive and negative wires into the V+ and V- contacts on the terminal block connector.
2. Tighten the wire-clamps screws to prevent the DC wires coming loose.



## Din-rail Mounting

1. Installing the DIN-Rail Mounting Kit.



2. Removing the DIN-Rail.

