

# EKI-2701HPI

## IEEE 802.3af/at Gigabit PoE+ Injector with Wide Temperature

NEW



### Features

- Supports 10/100/1000Base-T (X) for PoE+ OUT and Data IN
- IEEE 802.3af/at compliant, supports a full 30 watt output
- Power input (24 ~ 48 V<sub>DC</sub>), inject 30 W for each port
- Provides slim size and DIN-rail/Wall mount with IP30 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-2701HPI is compliant IEEE 802.3af/at and inject 30W for PD device. This product can operate in a wide range of Temp. between -40 to 75°C and support wide power input range between 24 to 48 V<sub>DC</sub>.

### Specifications

#### Communications

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

#### Interface

- **Connectors** PoE OUT: RJ45  
DATA IN: RJ45  
6-pin removable screw terminal
- **LED Indicators** PWR1, PWR2, PoE status, Link/Activity

#### Power

- **Power Consumption** Max. 33.36 W @ 24 V<sub>DC</sub> (Full load PoE)
- **Power Input** 24 ~ 48 V<sub>DC</sub>, redundant dual power inputs
- **Power Output** 15.4 W @ 55 V<sub>DC</sub>  
30 W @ 55 V<sub>DC</sub>

#### Mechanism

- **Dimensions (W x H x D)** 37 x 140 x 95 mm (1.46" x 5.51" x 3.74")
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

#### Protection

- **Reverse** Present
- **Overload Current** Present

#### Environment

- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** 1,419,817 hours

#### Certification

- **Safety** UL508
- **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

### Ordering Information

- **EKI-2701HPI** PoE+ Injector, support a full 30 W output