

EKI-2701HPI

Industrial IEEE 802.3af/at Gigabit PoE+ Injector



Features

- Supports 10/100/1000Base-T (X) for data input and Power over Ethernet (PoE) output
- IEEE 802.3af/at compliant, delivering up to 30 watts of PoE power, for seamless integration with PoE networks.
- Flexible power input range (24-48 V_{DC}), supplying 30W PoE output
- Equipped with a pull-down DIN rail mounting kit for easy installation across various DIN rail dimensions

Introduction

The EKI-2701HPI is a one-port PoE injector designed to deliver both data and electrical power to Ethernet-enabled devices using a single Ethernet cable.

Capable of supplying up to 30 watts of power through its Ethernet port, it can efficiently power IEEE 802.3af/at PoE compliant devices such as wireless access points and IP cameras, thereby eliminating the need for additional wiring.

Specifications

General

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

Interface

- **Connectors** 2 x 10/100/1000Base-T(X)
(DATA IN x 1 + PoE OUT x 1)
- **LED Indicators** PWR1, PWR2, PoE status

Power

- **Connector** 6-pin pluggable screw terminal
- **Power Consumption** Max. 33.36 W @ 24 V_{DC} (Full load PoE)
- **Power Input** 24 ~ 48 V_{DC}, redundant dual power inputs
- **Power Output** 30 W @ 55 V_{DC}

Mechanism

- **Dimensions (W x H x D)** 30 x 140 x 95 mm (1.18" 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

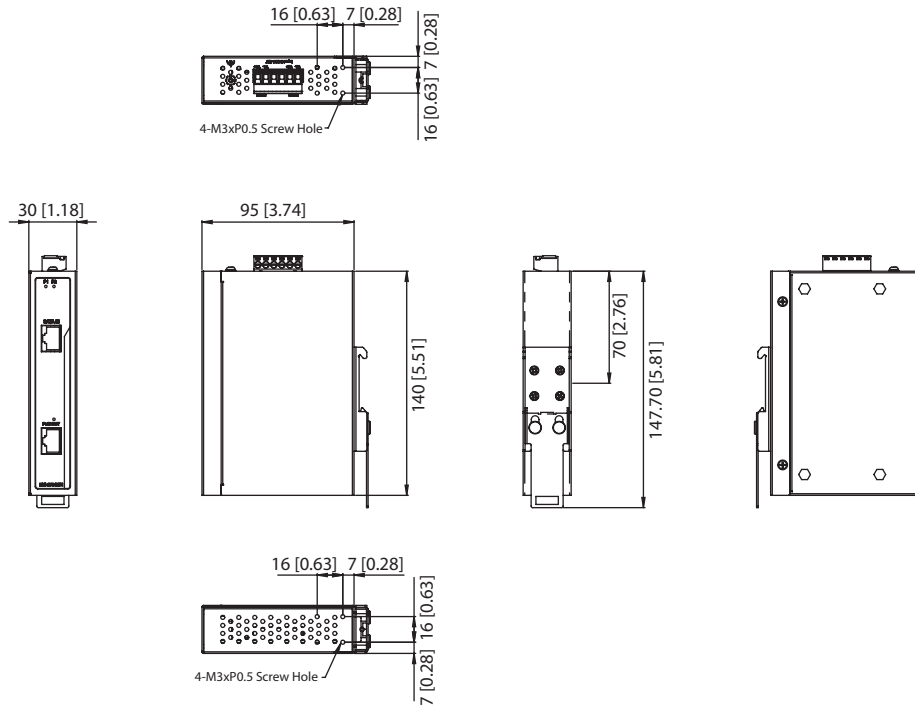
- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 5 ~ 95% (non-condensing)
- **MTBF** 1,419,817 hours

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
- **Safety** UL508
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6
- **Patent** <http://www.advantech.com/legal/patent>

Dimensions

Unit: mm



Outline Dimension: 36.6 x 140 x 95 mm (1.44" x 5.51" x 3.74")

Ordering Information

- EKI-2701HPI-AE Industrial IEEE 802.3af/at Gigabit PoE+ Injector