

# EKI-2701PSI

## Industrial 802.3af 12.95W PoE Splitter with Wide Temperature



### Features

- Supports 10/100/1000Base-T(X) for Power over Ethernet (PoE) input and data output.
- Delivers up to 12.95 watts of power while separating power and data from PoE sources.
- Features power isolation and short-circuit protection for enhanced power output safety.
- Provides 3,000 V<sub>DC</sub> EFT (Electrical Fast Transient) protection for power lines.
- Supports 6,000 V<sub>DC</sub> ESD (Electrostatic Discharge) protection for Ethernet ports.
- Wide operating temperature range: -40°C to 75°C, suitable for harsh environments
- Equipped with a pull-down DIN rail mounting kit for easy installation across various DIN rail dimensions

### Introduction

PoE splitter is powered by PoE and can split PoE input into individual power output and data output. This device can easily connect legacy devices like IP cameras or WiFi Access Points to a PoE network architecture and also work as a power supply to power up devices where power is beyond coverage as alternative power source to save cabling deployment cost.

EKI-2701PSI plays the role of powered device (PD) and splits power from PoE to Ethernet devices. In this case, both power and data can be transmitted up to 328 feet (100m) with one single Ethernet CAT5 cable from power source equipment (PSE) with the power up to 12.95 watts at 24V<sub>DC</sub>.

### Specifications

#### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3af, 802.3ab,
- **LAN** 10/100/1000 Base-TX
- **Transmission Distance** Up to 100 m
- **Transmission Speed** up to 1000 Mbps

#### Interface

- **Connectors** 2 x 10/100/1000Base-T(X)  
(PoE IN x 1 + Data OUT x1)
- **LED Indicators** System Power

#### Power

- **Connector** 6-pin removable screw terminal (power output)
- **Power Consumption** 17.76 W
- **Power Input** 44~57 V<sub>DC</sub>
- **Power Output** max. 12.95 W @ 24 V<sub>DC</sub>

#### 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

- **Overload current** Present

#### Environment

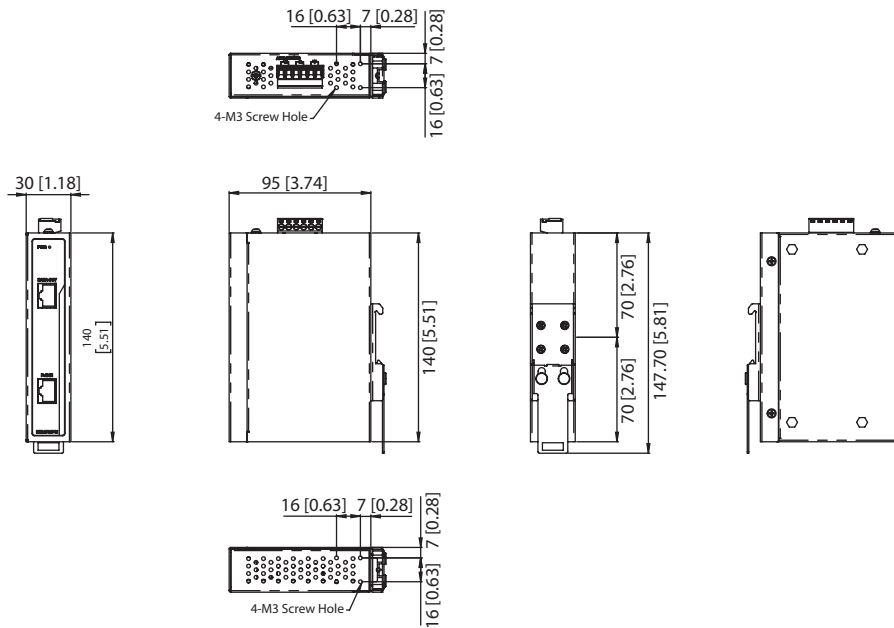
- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 5 ~ 95% (non-condensing)
- **MTBF** 440,132 hours

#### Certifications

- **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
- **Safety** UL60950-1
- **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



**Outline Dimension: 30 x 140 x 95 mm (1.18" x 5.51" x 3.74")**

## Ordering Information

- EKI-2701PSI-AE Industrial 802.3af 12.95W PoE Splitter with Wide Temperature