

EKI-2711PSI

Industrial 25W PoE Splitter with Wide Temperature



Features

- Supports 10/100/1000 Base-TX for PoE in and Data out
- IEEE 802.3af/at compliant split power/data from PoE equipment
- Power isolation and short circuit protection for power output
- Auto disconnection for over power voltage input
- Provides EFT protection 3,000VDC for power line
- Supports 6,000 VDC Ethernet ESD protection
- Supports output power up to 25W at 24 V_{DC}
- Provides slim size and DIN-rail & wall-mount plates with IP30 metal mechanism
- Supports operating temperatures from -40 to 75°C

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-2711PSI 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 25 watts at 24V_{DC}.

Specifications

Communications

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

Interface

- **Connectors** PoE IN: RJ-45 DATA OUT: RJ-45
6-pin removable screw terminal (power output)
- **LED Indicators** System Power (green)

Power

- **Power Consumption** max. 30 W
- **Power Input** 44~57 V_{DC}
- **Power Output** max. 25 W @ 24 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

- **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)

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
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6
- **Patent** <http://www.advantech.com/legal/patent>

Ordering Information

- **EKI-2711PSI-AE** Industrial 25W PoE Splitter with wide temperature
- **MDR-60-48** DIN Rail Supply 48VDC, 60W (Optional accessory)