EKI-2701PSI

Industrial PoE Splitter with Wide Temperature



Features

- Supports 10/100T(X) for PoE in and Data out
- IEEE802.3af compliant split power/data from PoE equipment
- Power isolation and short circuit protection for power output
- Supports output power up to 12.95 W at 24 V_{DC}
- Provides slim size and DIN-rail/Wallmount with IP30 metal mechanism
- Supports operating temperatures from -40 ~ 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 Ethernet CAT5 cable, 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) from power source equipment (PSE). This product can operate in a wide range of temperature between -40 and 75° C, and the rugged hardware design makes EKI-2701PSI perfect to ensure your PoE Ethernet equipment can meet industrial applications demanding.

Specifications

Communications

Standard IEEE 802.3, 802.3u, 802.3x, 802.3af, 802.3ab LAN 100Base-TX, 10/1000Base-T(X)

• 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

Link/Activity, Duplex/Collision

Power

 Power Consumption 17.76W @ 48 V_{DC} Power Input $+44 \sim 57 V_{DC}$ Power Output 12.95 W @ 24 V_{DC}

Mechanism

Dimensions (W x H x D) 37 x 140 x 95 mm

IP30, Metal shell with solid mounting kits Enclosure

Mounting DIN-rail, Wall

Protection

Overload 0.539A @ 24 V_{DC}

Environment

Operating Temperature $-40 \sim 75^{\circ} \text{ C}(-40 \sim 167^{\circ} \text{ F})$ • Storage Temperature $-40 \sim 85^{\circ} \text{ C} (-40 \sim 185^{\circ} \text{ F})$ 5 ~ 95% (non-condensing) Operating Humidity Storage Humidity 0 ~ 95% (non-condensing)

MTBF 440.132 hrs

Certifications

 Safety (1000 Mbps) UL 60950-1, CAN/CSA-C22.2 No.60950

EMC U.S.A.: FCC Part 15 CISPR 22

EU: EN55011, EN61000-6-4 EN55022 Class A, EN55024

IEC61000-4-2/3/4/5/6/8 EN61000-6-22/4

Shock IEC60068-2-27 Freefall IEC60068-2-32 Vibration IEC60068-2-6

Ordering Information

EKI-2701PSI PoE Splitter w/ Wide Temp