MaxLink

AC Input Industrial 30W PoE Injector

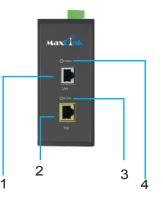# MAXPIDIN30-240

Product Overview

MAXPIDIN30-240 is a single port, industrial-scale PoE injector. It provides 30W power for remote PDs over 2 pairs output with 6KV (10/700us) surge protection. It supports 10/100/1000Mbps of data speed. It works for 30W PoE PDs, such as wireless access points, network cameras, base station, Microwave radio and other high power Ethernet terminals.

It fully complies to IEEE802.3at standard and compatible to use with any IEEE802.3af compliant terminals.
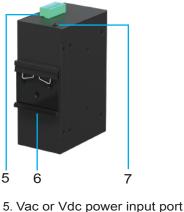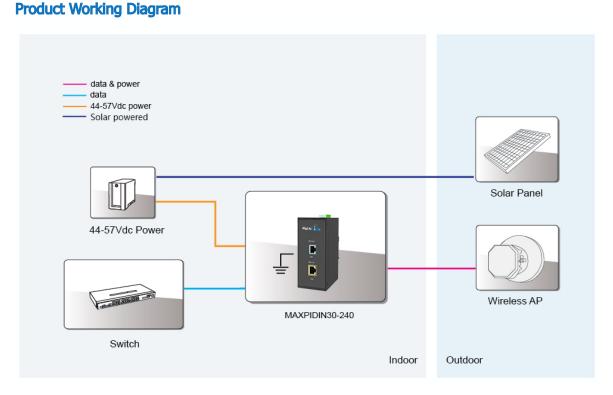
MAXPIDIN30-240 is designed for indoor use but can work outdoor by covered with waterproof case. It works with input voltage of 100-240Vac or 44-57Vdc and operates under -40℃ to 65℃. It has detection chip inside, which will detect and classify PD before powering it. It will not apply power until a standard-compliant PD is detected. The effective distance is 100 meters over Cat5e/Cat6 cables. This model equiped standard DIN rail mounting bracket, which can easily jam into the guide rail.

Product Profile

1. LAN: Data input port
2. PoE: Data&Power Output Port
3. PoE Load indicator
4. Power indicator

5. Vac or Vdc power input port
6. DIN rail mounting bracket
7. Earth

Product Working Diagram

- data & power
- data
- 44-57Vdc power
- Solar powered

Solar Panel

44-57Vdc Power

Wireless AP

MAXPIDIN30-240

Switch

Indoor   Outdoor

Specification

Standard

- IEEE802.3 10Base-T Ethernet
- IEEE802.3u 100Base-Tx Fast Ethernet
- IEEE802.3ab 1000Base-T Gigabit Ethernet
- Full compliant with IEEE802.3af/at
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :100-240Vac or 44-57Vdc
- Output: 55Vdc 0.55A @100-240Vac input
           44-57Vdc 30W @44-57Vdc input
- Power Pins: 4/5(+), 7/8(-)
- Data Speed: 10/100/1000Mbps

Working Environment

- Operating Temperature: -40℃ to 65℃
- Operating Humidity: 20% to 80%, non-condensation
- Storage Temperature: -40℃ to 85℃
- Storage Humidity: 10% to 90%, non-condensation
- Operating Altitude: up to 5000meters

PoE Surge Protection

- Protected line: 1,2,3,4,5,6,7,8
- Common mode surge protection(10/700us): 6KV
- Differential mode surge protection (10/700us): 1.5KV

Mechanical Characteristics

- Case: Metal
- Color: Black
- Mounting: DIN-rail
- IP Rated: IP40
- Size: 144.5mm X 104.2mm X 60mm
- Weight: 819g

EMI

- FCC CFR47 Part 15, EN55024, EN55032

EMS

- IEC61000-4-2(ESD) ± 6kV(contact), ±8kV(air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port: ±2kV; Data Port:±1kV
- IEC61000-4-5(Surge) Power Port:±1kV/DM, ±2kV/CM
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

Immunity

- IEC60068-2-6(Vibration)
- IEC60068-2-27(Impact)
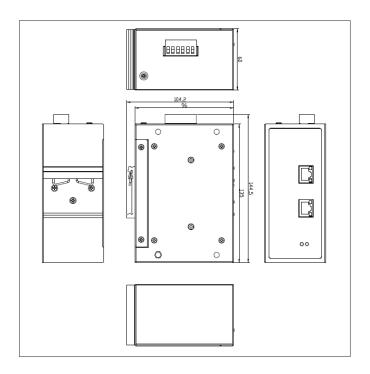- IEC60068-2-32(Free Fall)

LED Indicator

- Power Indicator : Green
- PoE Load Indicator : Yellow

Order Info. MAXPIDIN30-240   AC or DC input/30W Output/1000Mbps/(4,5+,7,8-) /Surge Protection/Active

Packing   MAXPIDIN30-240
              Ground lug Wire: 16AWG
              Manual x 1