GIGAMEDIA
SMART BUILDING SOLUTIONS

Industrial DC to DC 60W BT PoE Injector

GGM POEINS60

Product Overview

GGM POEINS60 is a single-port, industrial-scale PoE injector. It provides 55Vdc, 1.1A power for remote PDs over full 4 pairs output with 6KV (10/700us) surge protection. It supports 10/100/1000Mbps of data speed. It works for 60W PoE PDs, such as wireless access points, network cameras, VoIp phones and other high power Ethernet terminals.
It is also compatible and safe to use with any IEEE802.3 af/at/bt compliant terminals.

GGM POEINS60 is designed for indoor use but can work outdoor by covered with waterproof case. It works with input voltage of 12-55Vdc and operates under -40℃ t o 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 100m over Cat5e/Cat6 cables.
This model equiped standard DIN rail mounting bracket, which can easily jam into the guide rail.

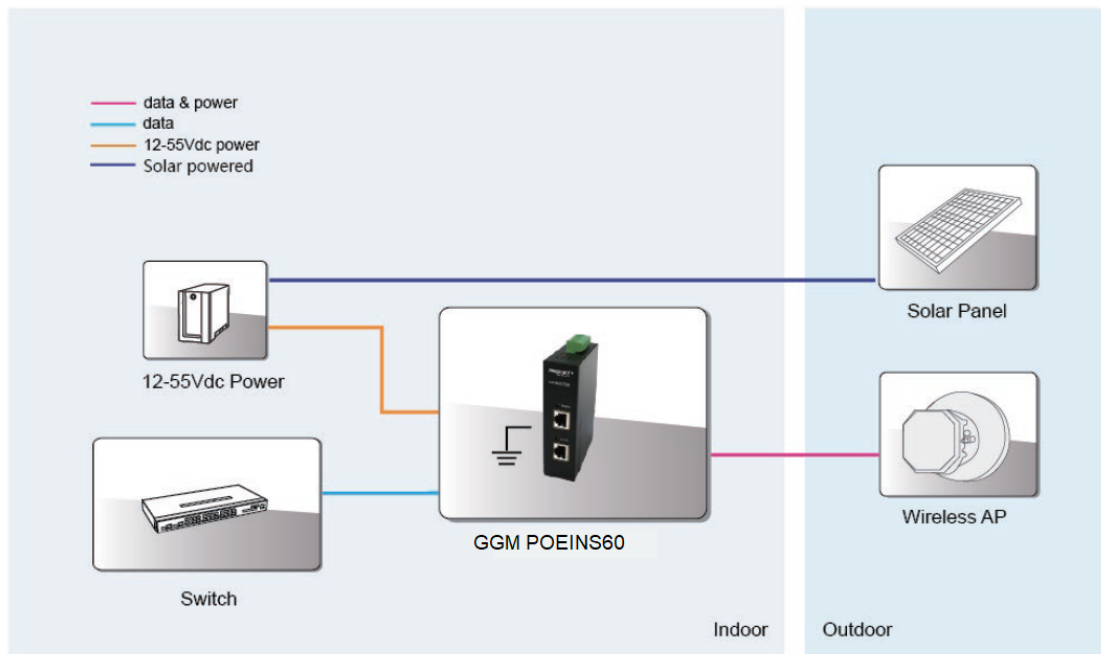CE RoHS

Product Profile

1. DC input indicator
2. LAN input port
3. PoE output port
4. PoE load indicator

5. DC Input Port
6. DIN Rail Mounting Bracket
7. Earth

Product Working Diagram

- data & power
- data
- 12-55Vdc power
- Solar powered

12-55Vdc Power

Switch

GGM POEINS60

Solar Panel

Wireless AP

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/bt
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :12-55Vdc   10.0A(Max)
- Output: 55Vdc 1100mA
- Power Pins: 4/5(+), 7/8(-) & 1/2(-),3/6(+)
- 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: 135mm X 95mm X 35.4mm
- Weight: 400g

Safety Approvals
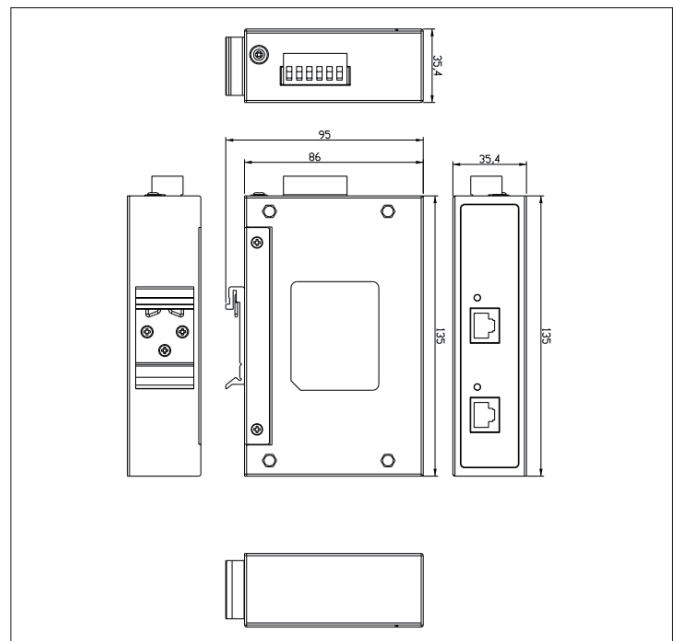
- CE

EMI

- FCC CFR47 Part 15, EN55032, EN55035

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.

GGM POEINS60   55Vdc/60W/1000Mbps/4,5(+),7,8(-) & 1/2(-),3/6(+)/Surge Protection/Active/bt

Packing

GGM POEINS60
Ground lug Wire: 16AWG
Manual x 1