IPMC101GT-1GF-POE

1-port 10/100/1000M Base-T (x) PoE + 1-port 1000Base-FX

Industrial PoE Media Converter

Features

- Support 1 10/100/1000Base-TX port and 1 1000Base-FX fiber port
- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.3ab, IEEE802.3af/at, store and forward
- Compatible with both IEEE802.3at(30W) and IEEE802.3af(15.4W)
- Ethernet port support 10/100/1000M self-adaption and PoE function
- Support LFP (Link Fault Pass-Through)
- Support huge increase in packet mode
- DC48V power input, reverse connection protection
- IP30 protect grade, high strength iron shell, DIN Rail installation
- Industrial grade 4 design



Introduction

The IPMC101GT-1GF-POE device is a kind of industrial Gigabit PoE media converter, it support 1 10Base-T/100Base-TX/1000Base-TX port and 1 1000Base-FX Fiber port. These converters are classified as power source equipment (PSE), and when used in this way provide up to 30 watts to IEEE802.3af/at compliant powered devices (PDs), eliminating the need for additional wiring. It support LFP function, it is easy to check the network connection status, it also support CE, FCC standard, adopt industry standard design, IP30 protection, rugged high-strength metal case, power supply input(48VDC), -40 to 60°C working temperature. The converters support IEEE802.3/ IEEE802.3u/ IEEE802.3x/ IEEE802.3ab/ IEEE802.3z with 10/100/1000M, full/half-duplex, and MDI/MDI-X auto-sensing, providing a complete solution for your industrial Ethernet network.

Specification

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z/ab, IEEE802.3af/at

Flow control: IEEE802.3x flow control, back press flow control

Exchange attribute

100M forward speed: 148810pps

1000M forward speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 12G

MAC address table: 1K

Memory: 1Mbits

Exchange delay time: < 10μs

Interface

RJ45 port: 10/100/1000Base-T(X) Self-adaption, Half/full duplex and MDI/MDI-X auto detect

Gigabit fiber port: 1000Base-FX, SC/FC/ST, support single mode (20/40/60/80Km optional), multi mode (2Km), wavelength: 1310nm, 1550nm

POE Pin-out: 1/2(+), 3/6(-)

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)

Multi-mode: 1310nm, 2Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

LED indicator

Run indicator: Run

Interface indicator: Link (1~2)

Power supply indicator: PWR

LFP Alarm indicator: LFP

PoE indicator: POE

Power supply

Input Voltage:48VDC (44 ~ 55)VDC

Type of input: 3 bits terminal block

No-load consumption: 2.3W@48VDC

Full-load consumption (full PD): 30W@48VDC

Working environment

Working temperature: -40 ~ 60℃

Storage temperature: -40 ~ 75℃
Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

Shell: IP30 protect grade, metal shell
Installation: DIN-Rail or Wall mounts
Weight: 390g
Size (W×H×D): 36mm×110mm×97mm

Industry Standard

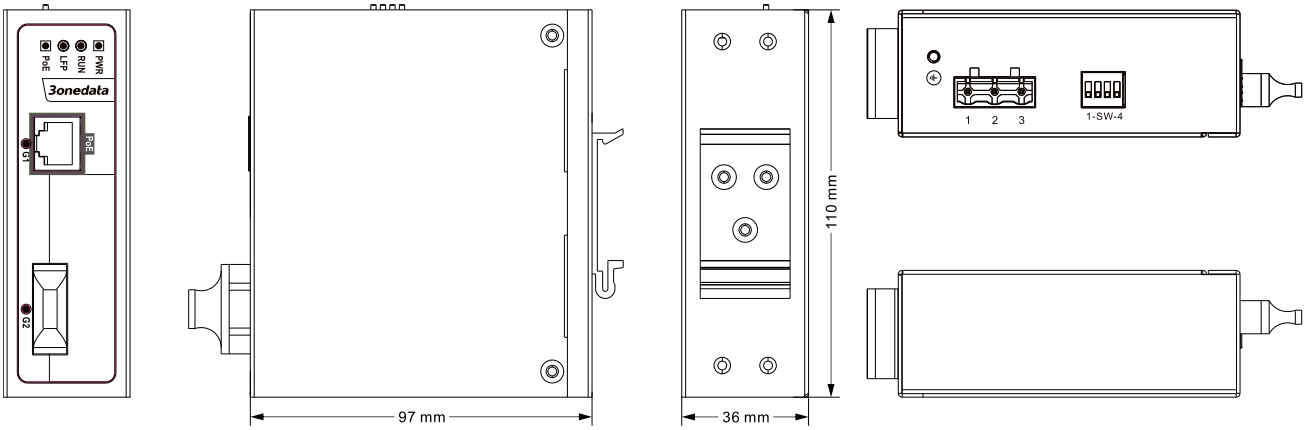
EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2 (ESD)
EN61000-4-4 (EFT)
EN61000-4-5 (Surge)
Shock: IEC 60068-2-27
Free fall: IEC 60068-2-32
Vibration: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Dimension (Unit: mm)



Packing List

1. Industrial PoE media Converter (plus terminal block) ×1
2. User manual x 1
3. Certificate of quality x 1
4. Warranty card x 1
5. DIN-Rail mounting kit x 1