# UPCOM

# Industrial PoE Media Converter        PIMC101

## ◆ 1-port 10/100 Base-T (x) PoE + 1-port 100Base-FX

### ➢ Features

- Support 1-port10/100Base-TX and 1-port 100Base-FX fiber
- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af/at, store and forward
- Compatible with both IEEE802.3at(30W) and IEEE802.3af(15.4W)
- Ethernet port support 10/100M self-adaption and PoE function
- IP30 protect grade, high strength iron shell, DIN35 Rail installation
- Industrial grade 4 design, -40 to 75 ℃ working temperature
- Input Voltage :48VDC (45~55VDC)

### ➢ Introduction

PIMC101 is a kind of industrial PoE media converter, it support 1-port 10Base-T/100Base-TX POE and 1-port 100Base-FX Fiber. These converters are classified as power source equipment (PSE), and when used in this way provide up to 15.4 watts IEEE802.3af & 30 watts to IEEE802.3at compliant powered devices (PD), eliminating the need for additional wiring.

It support CE, FCC ROHS standard, adopt industry standard design, IP30 protection, rugged high-strength metal case, power supply input (DC48-55V), -40 to 75 ℃ working temperature. The converters support IEEE802.3/IEEE802.3u/IEEE802.3x with 10/100M, full/half-duplex, and MDI/MDI-X auto-sensing, providing a complete solution for your industrial Ethernet network.
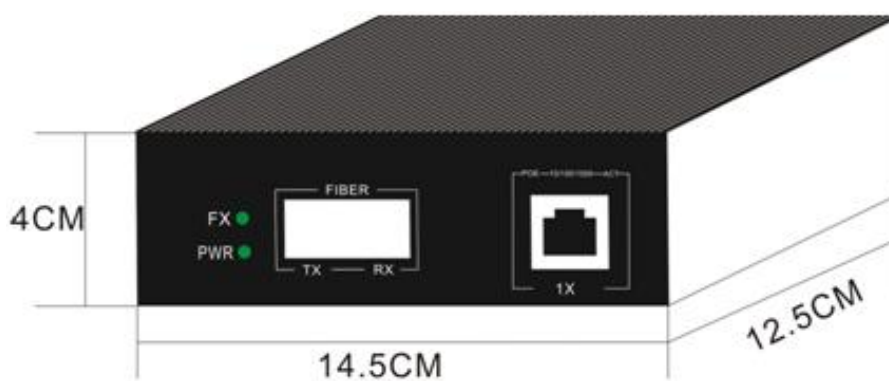
### ➢ Application Industries

- HD monitor transmission and power supply
- Wireless AP layout transmission and power supply
- Network telephone transmission , intelligent house and home system
- Intelligent transportation supervisory system (ITS)
- High-speed Way supervisory/Tele-Communication System
- Security protection system, TV medical treatment
- Long-distance Muti-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
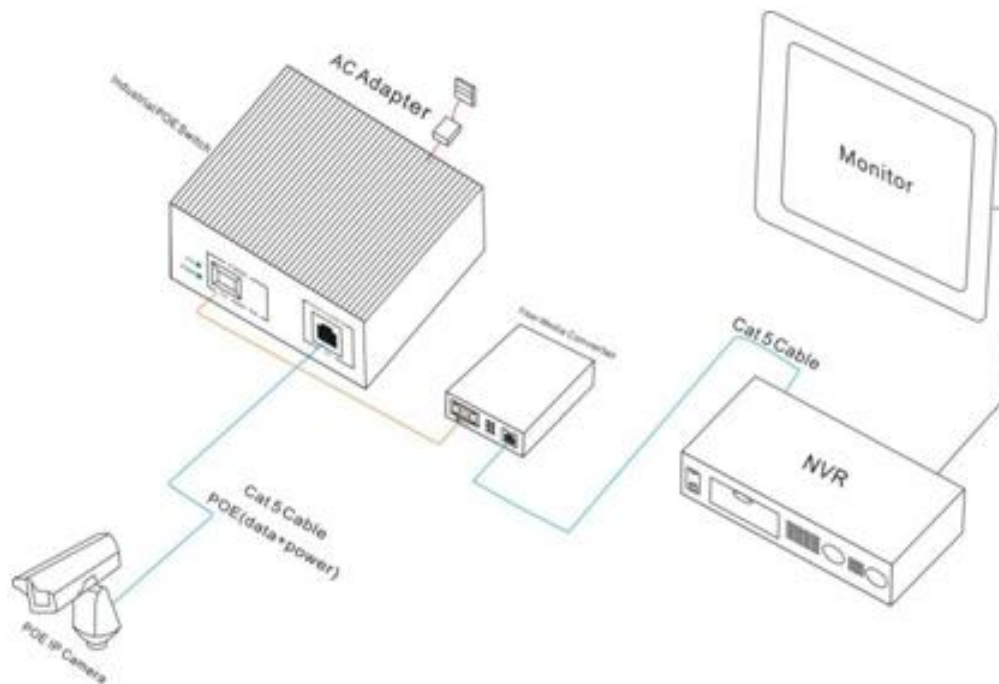- High-building Security Protection, Military Tele-Com project

## ➢ Specification

| Interface | |
|---|---|
| RJ45 port | 10BASE-T: Cat3,4,5 UTP(≤100 meter) |
| | 100BASE-TX: Cat5 or later UTP(≤100 meter) |
| Fiber port | 100Base-FX, Multi-mode: 1310nm, 2Km |
| | Single-mode: 1310nm, 20/40 Km, 1550nm, 60/80/100/120Km |
| Network Protocols | Support IEEE802.3, IEEE802.3u, IEEE802.3x |
| Forwarding Mode | Store-And-Forward |
| **PoE Specification** | |
| PoE Standard | Supports both IEEE802.3af and IEEE802.3at |
| Single PoE Port Power Output | Max. 15.4 watts (IEEE 802.3af) |
| | Max. 30 watts (IEEE 802.3at) |
| PoE port Auto detect | AF/AT |
| PoE Port Output Voltage | DC48V |
| Power Pin Assignment | 1/2+;3/6- |
| **Performance Specification** | |
| Bandwidth | 1Gbps |
| Buffer Memory | 1M |
| Forwarding Rate | 1488000pps/port |
| Address Table | 1K |
| MTBF | 300,000 hours |
| **LED indicator** | |
| Fiber Run indicator: | FX |
| Power supply indicator | PWR |
| PoE ACT indicator | LED-Yellow |
| PoE LINK indicator | LED-Green |
| **Power supply** | |
| Input Voltage | 48VDC (48~55VDC) |
| Type of input | 3 bits terminal block |
| No-load consumption | MAX 5W@ DC52V0.1A |
| Full-load consumption | MAX 65W@ DC52V1.25A (802.3af/at) |
| Working temperature | -40～75℃ |
| Storage temperature | -40～85℃ |
| Relative Humidity | 5%~95 %( no condensation) |
| Shell | IP30 protect grade, metal shell |
| Installation | DIN-Rail or Wall mount |
| Weight | 800g |
| Size (W×H×D) | 145mm×125mm×40mm |
| **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 mark, commercial, |
| | FCC Part 15 Class B, |
| | VCCI Class B, |
| | EN 55022 (CISPR 22), Class B |
| Warranty | 5 years |

## ➢ **Dimension**

## ➢ Application



## ➢ Order information

| Model NO. | Description |
|---|---|
| PIMC101 (M) | 1-port 10/100Base-T(X) PoE + 1-port 100Base-FX Multi-mode,DC 48V |
| PIMC101 (S) | 1-port 10/100Base-T(X) PoE + 1-port 100Base-FX Single-mode , DC48V |
| PIMC101 (SS) | 1-port 10/100Base-T(X) PoE + 1-port 100Base-FX single-mode, single fiber, DC48V |

## ➢ Packing List

- Industrial PoE Media Converter (plus terminal block) ×1
- User manual  x  1
- Certificate of quality  x  1
- Warranty card  x  1
- DIN-Rail mounting kit  x  1