



Industrial PoE Switch

PIES205G

◆ 4-port 10/100/1000M Base-T (x) PoE + 1-port 10/100/1000Base-TX UP-link

➤ Features

- Support 4-port 10/100/1000Base-TX and 1-port 10/100/1000Base-TX UP-link
- 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 10/100/1000M self-adaption and PoE function
- IP30 protect grade, high strength iron shell, DIN35 Rail installation
- Industrial grade 4 design, -40 to 75 °C working temperature
- Input Voltage : DC48V (48~55VDC)



➤ Introduction

PIES205G is a kind of industrial PoE switch, it support 4-port 10Base-T/100/1000Base-TX POE and 1-port 1000Base-TX UP-link Ethernet. These Switch 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 °C working temperature. The converters support IEEE802.3/IEEE802.3u/IEEE802.3x with 10/100/1000M, 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 Multi-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
- High-building Security Protection, Military Tele-Com project

➤ Specification

Interface

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

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 12Gbps

Buffer Memory 1M

Forwarding Rate 1488000pps/port

Address Table 2K

MTBF 300,000 hours

LED indicator

Uplink Run indicator LED-Green

Power supply indicator PWR

PoE ACT indicator LED-Yellow

PoE LINK indicator LED-Green

Power supply

Input Voltage DC48V (48~55V)

Type of input 3pins terminal block

No-load consumption MAX 5W@ DC52V0.1A

Full-load consumption MAX 65W@ DC52V1.25A (802.3af)
MAX 104W@ DC52V2A (802.3af+)
DC52V2.5A (802.3at)

Working temperature -40~75°C

Storage temperature -40~85°C

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×120mm×40mm

Industry Standard

EMI FCC Part 15, CISPR (EN55022) class A

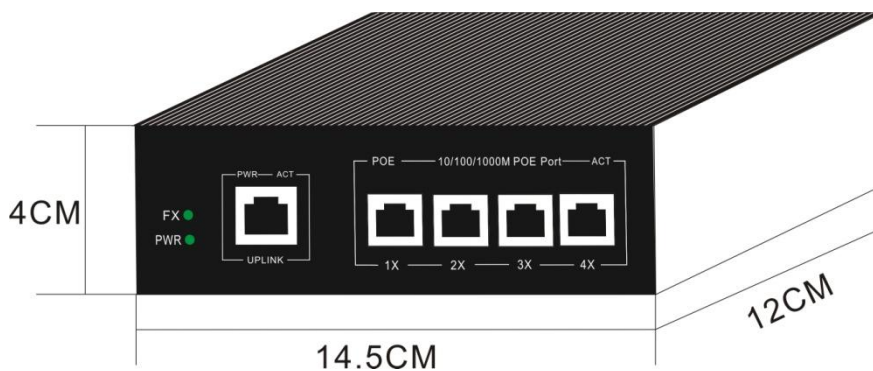
EMS EN61000-4-2 (ESD)
EN61000-4-4 (EFT)
EN61000-4-5 (Surge)

Shock IEC 60068-2-27

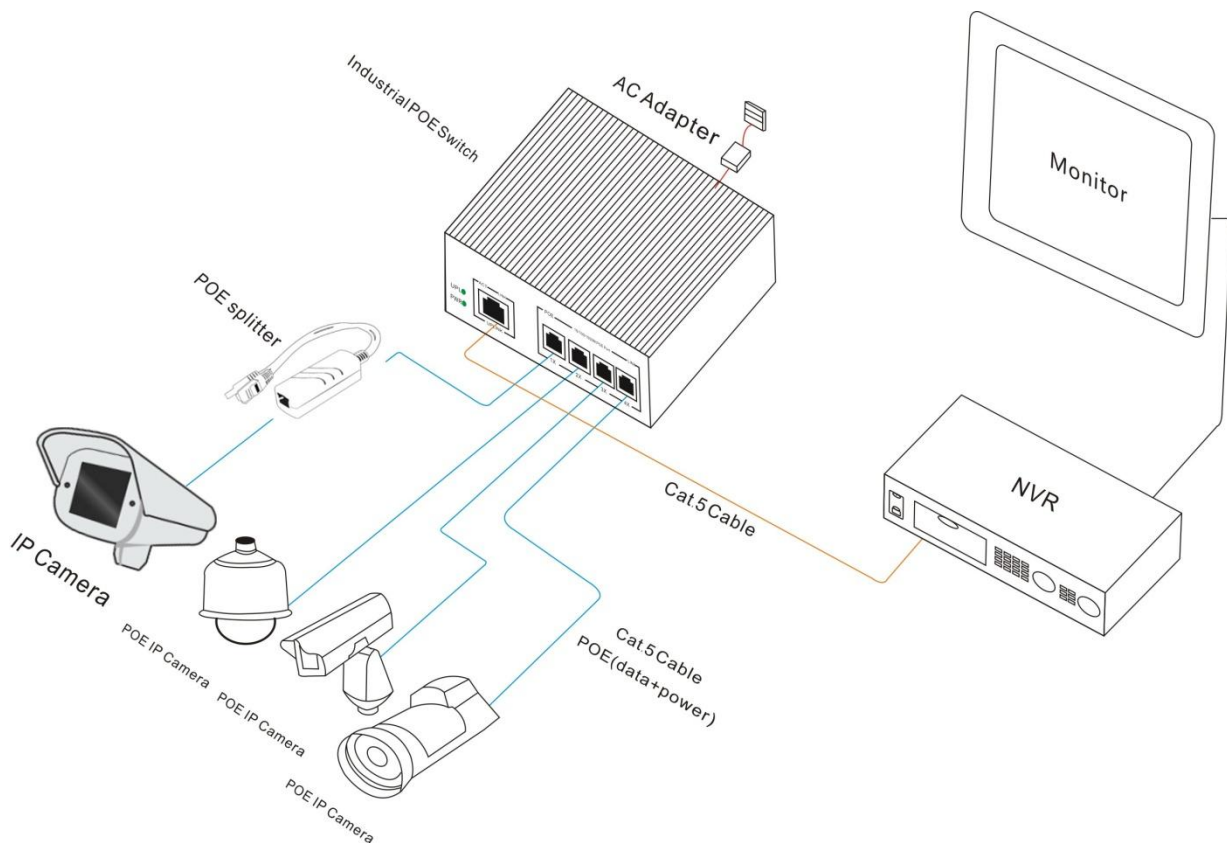
Free fall IEC 60068-2-32

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
PIES205G	4-port 10/100/1000Base-T(X) PoE + 1-port 10/100/1000Base-TX UP-link, DC48V
PIES20G-GF-4P	4-port 10/100/1000Base-T(X) PoE + 1-port 1000Base-FX, DC48V
PIES206-2GS-4P	4-port 10/100/1000Base-T(X) PoE + 2-port Gigabit SFP slot ,DC48V
PIES2012-2C-8P	8-port 10/100/1000Base-T(X) PoE + 2-port Gigabit SFP slot ,DC48V

➤ Packing List

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