Industrial PoE Switch　　　　PIES105-F

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

➤ Features

- Support 4-port 10/100Base-TX POE and 1-port 100Base-FX
- 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

PIES105-F   is   a kind of industrial PoE switch, it support 4-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 supports 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.
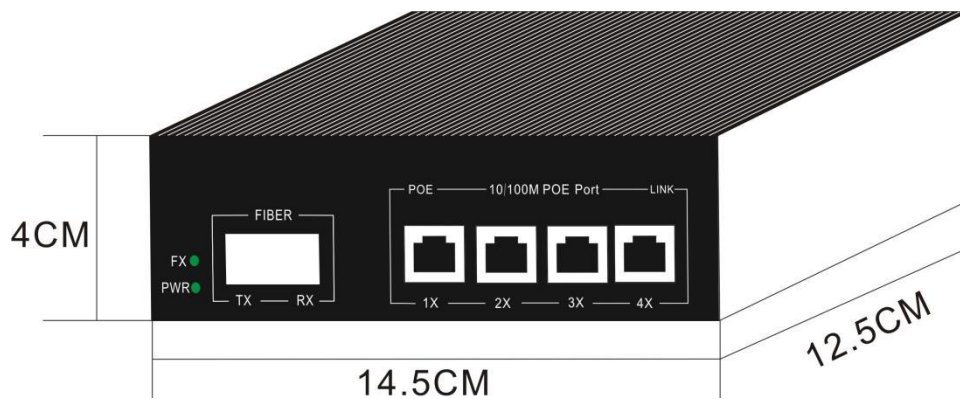
➤ Application Industries

- 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
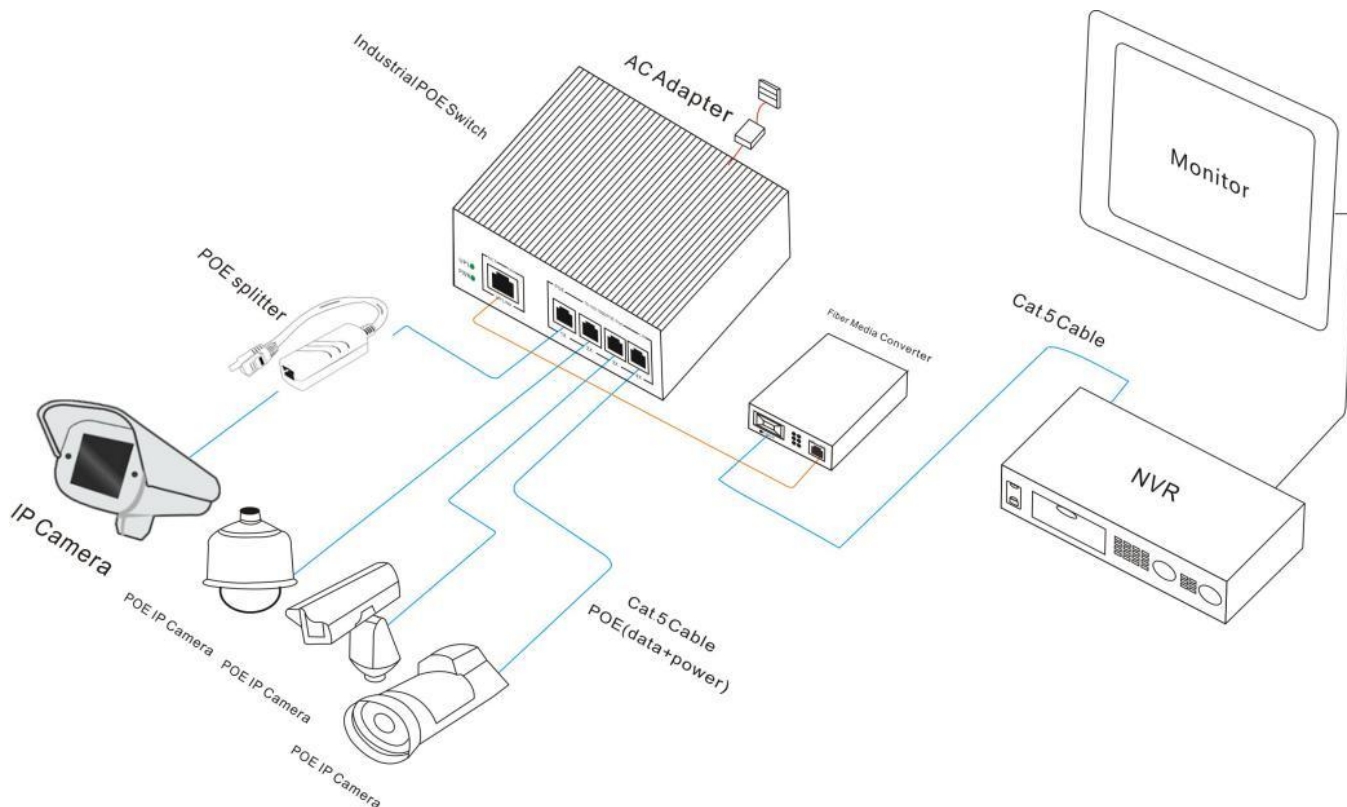- High-building Security Protection, Military Tele-Com project

➢ **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)
	MAX 104W@ DC52V2A (802.3af+)
	MAX 130W@ DC52V2.5A (802.3at)
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	1-port 10/100Base-T(X) PoE + 1-port 100Base-FX,DC 48V
PIMC102	2-port 10/100Base-T(X) PoE + 1-port 100Base-FX, DC48V
PIES105	4-port 10/100Base-T(X) PoE + 1-port 10/100Base-TX Uplink, DC48V
PIES105-F	4-port 10/100Base-T(X) PoE+ 1-port 100Base-FX,DC 48V

➢ Packing List

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