4-port Gigabit PoE + 1-port Gigabit uplink RJ45+ 1-port Gigabit SFP

➢ Features

- Support 4-port gigabit POE +1-port gigabit uplink Ethernet +1-port gigabit SFP;
- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af/at, store and forward;
- Compatible with both IEEE802.3at(30W) and IEEE802.3af(15.4W);
- Support IP40 protection, high strength iron shell;
- Support redundant power supply, support anti reverse;
- Support VLAN, Extend, Standard swapping, VLAN+ Extend four modes;
- Support port Surge Protection: Common mode 6KV;
- Support Differential mode 2KV; ESD 15KV, Contact 8KV;
- Comply with EMC EN55032 standard;
- Industrial grade 4 design, -40-75°C working temperature;
- Support dual power supply DC48-55V;
- Support DIN-Rail or wall Installation;
- Warranty:5years;

➢ Introduction

PIES206G-GS-4P Industrial PoE Switch, support 4-port gigabit POE +1-port gigabit uplink Ethernet +1-port gigabit SFP, DIN-Rail & Wall mounts installation, support power input (DC48-55V), working temperature -40-75°C, the reliable industrial design can ensure the stability of the system without interruption.

An Industrial PoE switch (Power over Ethernet) is a network device that transmits electrical power through the same cable that carries data. When connecting network devices such as IP cameras, VoIP phones, and wireless access points, the switch will detect whether they are compatible with PoE and automatically enables PoE power transmission to these endpoints. This is why PoE switches are also classified as Layer 2 Power Sourcing Equipment (PSE).

Each component of the Industrial PoE switch is designed and rigorously tested to handle extremely harsh environments subject to a wide range of operating temperature, vibration and shock, and protection from ESD (Electrostatic discharge), EMI (Electromagnetic Interference) and electrical surge.

PoE switches support IEEE802.3af(15.4W),802.3at PoE+(30W), save installation and maintenance costs by reducing the need for external power supply, additional wires, power outlet.

UPCOM PIES206G-GS-4P Industrial PoE switches provide Small Form Pluggable (SFP) transceivers with LC connector. Fiber ports support multimode(850nm) or single-mode(1310/1550nm) and dual fiber or single-fiber with a maximum distance can reach 120km.
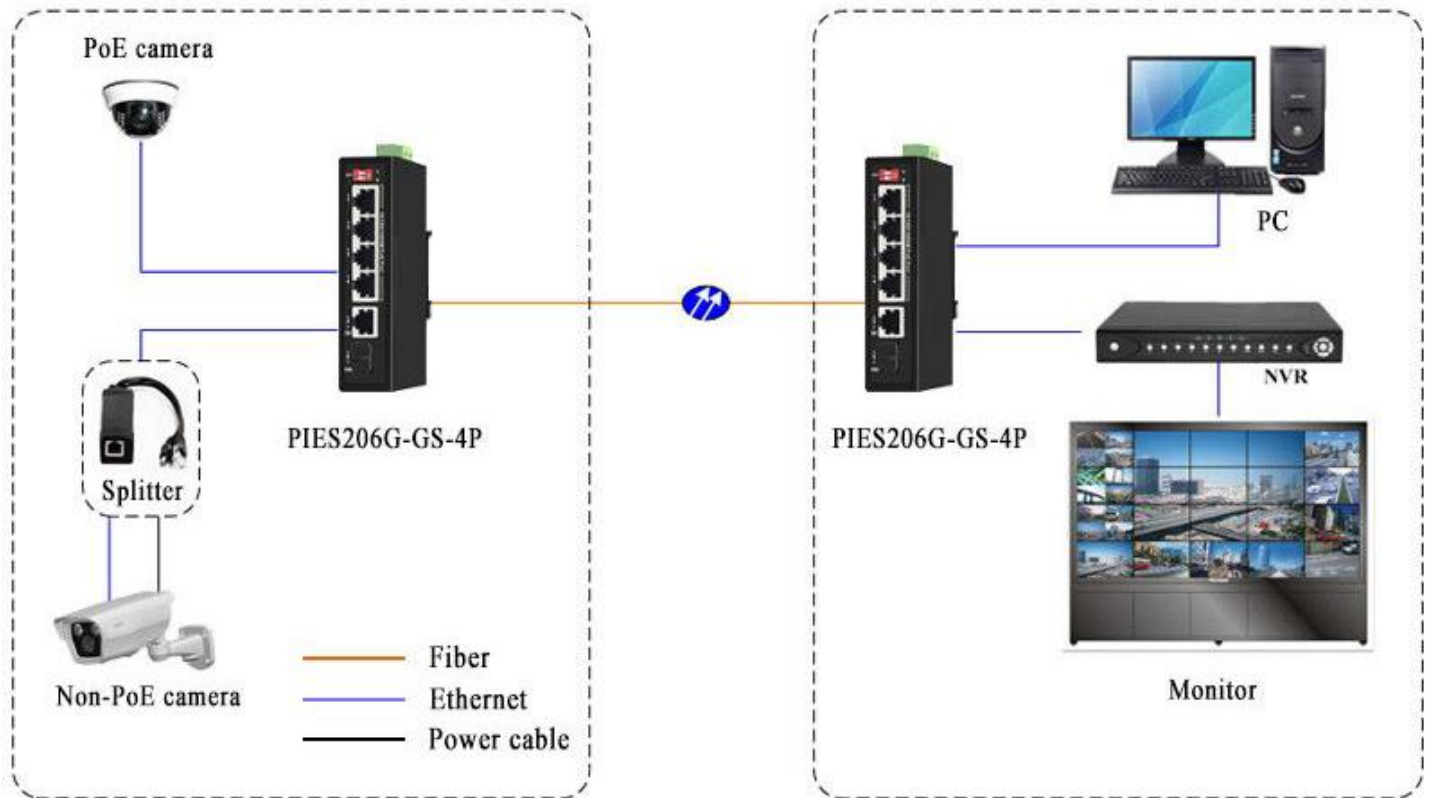
This series of industrial POE switches can be widely used in Intelligent Transportation System, Electric Power, Industrial Automation, power SCADA, Rail Transportation, Security Surveillance, Military and other industries, is a low power consumption Industrial Network Switch.

Specification

Specification	
Product Name	6 ports Gigabit Unmanaged Industrial POE Switch
Port Definition	4 *gigabit POE ports+1*gigabit uplink Ethernet port+1*gigabit SFP port
Network Protocols	IEEE802.3, IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3z
PoE Parameters	POE Standard: IEEE802.3at (30W) and IEEE802.3af (15.4w)
	Each port Max：15.4 W (IEEE 802.3af) Each port Max：30 W (IEEE 802.3at)
	PoE Compatibility：IEEE 802.3af/at adaptive
	POE Power Output: DC 52V
	POE power supply core：1/2+ ; 3/6-
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 m)
	100BASE-TX: Cat5 or more UTP(≤100 m)
	1000BASE-TX: Cat5 or more UTP(≤100 m)
Gigabit Fiber	Multi-mode：850nm, 1310nm.　transmission distance：550m/2Km
	Single-mode：1310nm, 1550nm. distance：20/40/60/80/100/120Km
Hardware parameter	
Bandwidth	12Gbps
Cache	1M
Chipset	88E6176
Package Forwarding Rate	8.928Mpps
MAC address	8K
Forwarding mode	Store-and-forward
DIP switch	
1,2 both off	Standard mode：1-6 port shared exchange communication
1 on,2 off	VLAN isolation mode:1-4 ports are isolated from each other and cannot communicate; 5-6 ports are interoperable; 1-4 can only communicate with ports 5 and 6
1 off,2 on	Extend mode：The 4th port is at a 10M rate, and the other ports are at a 1000M rate.1-6 port shared exchange communication
1,2 both on	VLAN+10M mixed model：The 4th port is at a 10M rate, and the other ports are at a 1000M rate.1-4 ports are isolated from each other and cannot communicate; 5-6 ports are interoperable; 1-4 can only communicate with ports 5 and 6.
LED Indicator	
PWR (Power supply indicator Red)	Lighting：Powered
	Un-Light：No Power

SW (DIP indicator Green)	1	2	Indicator	Mode
	off	off	No light	Standard swapping
	on	off	Lighting	VLAN
	off	on	Slow flash	The 4th port at a 10M rate
	on	on	Quick flash	10M + VLAN

1-6 (Green)	Lighting：Connecting
	Flashing：Data Transmit
	Un-Light：Disconnect

Power Supply	Power input: DC48～55V
	power supply wiring: 4 PIN terminal block（redundancy V1+V1-,V2+V2-）

Physical structure	Shell protect grade: IP40
	Installation: DIN rail
	N.W:：0.409KG　G.W: 0.489KG（without power supply）
	Product Dimension (L×W×H): 119MM*87MM*28MM
	Package Dimension (L×W×H): 175MM*130MM*55MM

Working Environment	Operating temperature: -40～75°C
	Storage temperature: -40～85°C
	Humidity: 5%~95 % (No condensation)

Industry Standard	EMI: FCC Part 15, CISPR (EN55032) 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

MTBF	100,000 hours

Warranty	5 years

➢ Connection

➢ Ordering Information

Model NO.	Description
PIES206-4P	4-port 10/100M PoE + 2-port 10/100M uplink RJ45, af:15.4W, at:30W, DC48-55V, Unmanaged
PIES206G-GS-4P	4 Gigabit PoE Ports + 1-port Gigabit uplink RJ45 +1 Gigabit SFP Port, DC48-55V, Unmanaged
PIES206G-2GS-4P	4 Gigabit PoE Ports + 2 Gigabit SFP Port, af:15.4W, at:30W per port, DC48-55V,Unmanaged
PIES106G-2GS-4P	4 Gigabit PoE Ports + 2 Gigabit SFP Port, af:15.4W, at:30W per port, DC48-55V,Managed

➢ Packing List

- Industrial PoE Switch *1
- User manual * 1
- Certificate of quality * 1
- Warranty card * 1