

## IPS205G-GS-4POE

4-port 10/100/1000M Base-T (x) PoE + 1-port Gigabit SFP slot

Unmanaged Industrial PoE Switch

### Features

1. Support 4 10/100/1000Base-TX port and 1 1000Base-X SFP port
2. Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.3ab, IEEE802.3af/at, store and forward
3. Support IEEE802.3af standard, full-port full 15.4W power supply
4. Support IEEE802.3at standard, single-port maximum 30W power supply
5. Ethernet port support 10/100/1000M self-adaption
6. 4 Gigabit Ethernet port G1~G4 support POE function
7. DC48V power input, reverse connection protection
8. IP40 protect grade, high strength iron shell, DIN Rail installation
9. Industrial grade 4 design



### Introduction

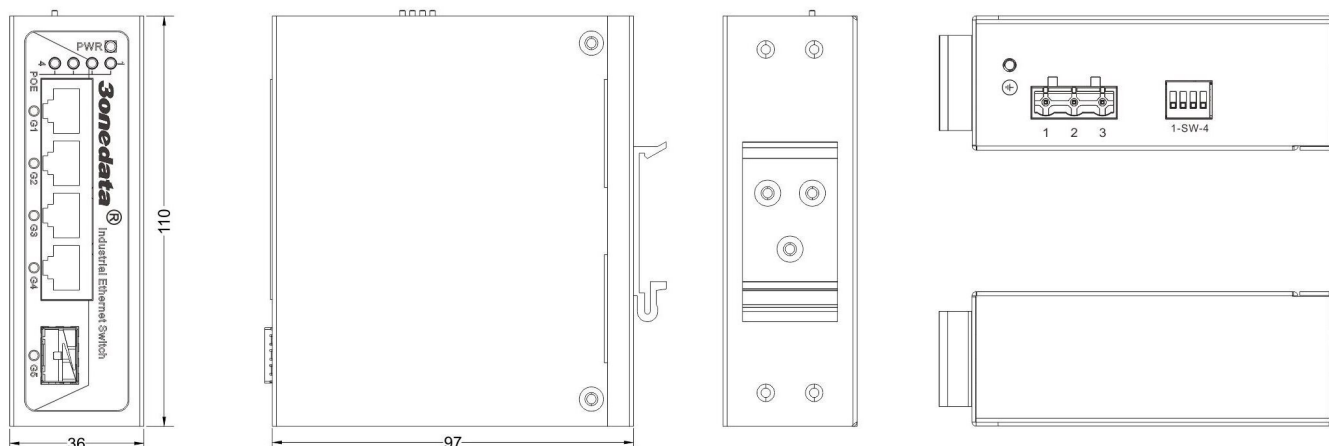
The IPS205G-GS-4POE switch is a kind of unmanaged industrial Gigabit PoE switch, it support 4 10/100/1000Base-T(X) ports and 1 Gigabit SFP port. The 4 Gigabit Ethernet port G1~G4 support Power-over-Ethernet (PoE) function. The IPS205G-GS-4POE switches are classified as power source equipment (PSE), and when used in this way, the switches enable centralization of the power supply, providing up to 30 watts of power per port and reducing the effort needed for installing power. The switches can be used to power

IEEE 802.3af/at standard devices (PD), eliminating the need for additional wiring.

It support CE, FCC standard, adopt industry standard design, IP40 protection, rugged high-strength metal case, power supply input (48VDC). The switches support IEEE802.3/ IEEE802.3u/ IEEE802.3x with 10/100/1000M, full/half-duplex, and MDI/MDI-X auto-sensing, providing reliable and economic solution for your industrial Ethernet network.

### Dimension

Unit (mm)



## 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

MAC address table: 1K

Memory: 1Mbit

### Interface

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

Gigabit SFP port: 1000Base-X SFP slot

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

### Transfer distance

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

Multi-mode: 1310nm, 2Km

Single-mode: 1310nm, 20/40Km

1550nm, 60/80/100/120Km

### LED indicator

Interface indicator: Link (G1~G5)

Power supply indicator: PWR

PoE indicator: POE (1~4)

### Power supply

Input Voltage: 48VDC (44~55VDC)

Type of input: 3 bits terminal block

Consumption (full PD): <60W

### Working environment

Working temperature: -40~75℃

Storage temperature: -40~75℃

Relative Humidity: 5%~95 % (no condensation)

### Mechanical Structure

Shell: IP40 protect grade, metal shell

Installation: DIN-Rail or Wall mounts

Weight: 410g

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

## 1-port Gigabit Ethernet SFP modules

		Gigabit Ethernet													
Type		Multi Mode(MM)		Single Mode(SM)						Single Mode, single fiber(SS)					
Wavelength(nm)		1310		1310		1550				TX 1310nm, RX 1550nm ▲		TX 1490nm, RX 1550nm			
										TX 1550nm, RX 1310nm △		TX 1550nm, RX 1490nm			
Transmission Distance(km)		2		20	40	60	80	100	120	20	40 ▲	40 △	60	80	100 120
Coupled Fiber (μm)		50/125, 62.5/125		9/125						9/125					
Average Optical Output Power	Max.TX	-1	-3	3	0	3	3	5		-3	3	-1	0	3	3 5
	Min.TX	-9	-8	-2	-5	-2	-2	0		-8	-2	-6	-5	-2	-2 0
Receiver Sensitivity (dBm)		-19	-24	-24	-26	-27	-29	-31		-24	-24	-24	-25	-26	-29 -13
Saturation (dBm)		0	-3	-3	-3	-3	-3	-3		-1	-1	-1	-1	-1	-1 -1

Note: The actual communication distance depends on many factors, including connector loss, cable deployment, and the age of the cabling system. We recommend doing a link budget analysis and reserving a 3 dB margin for such factors.

## Packing List

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