



**TPSW-0402GS**

**-40~85 °C operation Industrial**

## Description

The TPSW-0402GS is a full gigabit industrial PoE switch. It has 6\*10/100/1000Base-T RJ45 ports. Port 1-4 can support IEEE 802.3af/at PoE standard, single-port PoE power up to 30W, and the maximum PoE output power of the host is 60W (at-120W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to PoE terminal device such as wireless AP, IP camera, industrial sensor through the network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, power industry, mining, petroleum, sea transportation. Industrial scenes such as metallurgy and green energy construction form a cost-effective, stable, and reliable communication network.

## Features

- ❑ 4\*10/100/1000Base-T RJ45 ports and 2\*10/100/1000Base-T uplink RJ45 ports, port 1-4 can support PoE;
- ❑ The uplink RJ45 ports can be transmitted and cascaded, and the connection is more convenient;
- ❑ Dual power supply input, DC input: 48V-57V, 6KV port lightning protection;
- ❑ **Support AI Watchdog, Port self-healing, VLAN, extend 300meter distance, Auto Speed Change, Priority port & reduce the after-resale;**
- ❑ -40°C~+85°C operation temperature;
- ❑ Large cache military-level master chip configuration, IP40 protection aluminum alloy case;
- ❑ IP protection level: IP40; Rail-type installation;
- ❑ 5 years warranty.

## Specifications

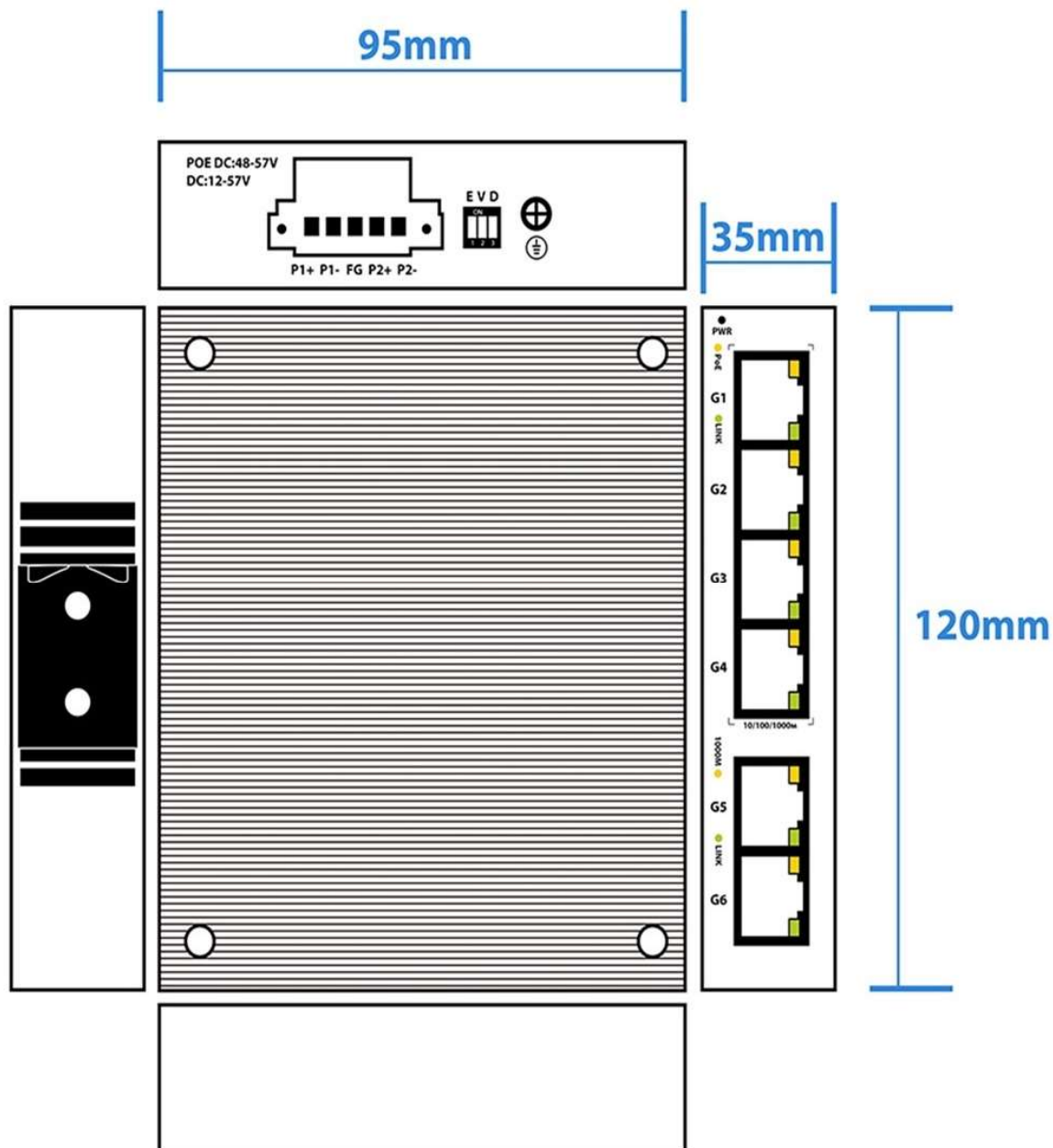
Model	TPSW-0402GS	
Fixed Port	4*10/100/1000Base-T PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2 set of V+, V- redundant DC power interface (5P Phoenix terminal)	
Ethernet Port	Port 1-6 support 10/100/1000Base-T, auto-sensing, Full/half duplex MDI/MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)	
Network Protocol	IEEE802.3 10BASE-T IEEE802.3u 100BASE-T/TX IEEE802.3ab 1000BASE-T IEEE802.3x.	
Forwarding Mode	Store and Forward	
Switching Capacity	12Gbps	
Forwarding Rate@64byte	8.93Mpps	
MAC	4K	
Buffer Memory	1M	
Jumbo Frame	10K	
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-4(Link/Act)/ (Green), 5-6(Link/Act)/ (Green), Speed/ (Orange); POE indicator: PoE (Orange)	
PoE Port	Port 1 to 4 IEEE802.3af/at @ POE	
Power Supply Pin	Default 1/2(+), 3/6(-);	
Max Power Per Port	30W; IEEE802.3af/at	
Total PWR / Input Voltage	60W/48VDC	120W/48VDC
Power Consumption	Standby:<2W; Full load:<60W	Standby:<2W; Full load:<120W
Power Supply	No, optional 48V/60W or 48V/120W industrial power supply	
Working Voltage	48-57VDC; 5P industrial Phoenix terminal, support anti-reverse protection.	
Operation TEMP / Humidity	-40~+85°C;5%~90% RH Non condensing	
Storage TEMP / Humidity	-40~+125°C;5%~95% RH Non condensing	
Dimension (L*W*H)	120*95*35mm	
Net /Gross Weight	<0.6kg / <0.8 kg	
Installation	Desktop, DIN rail	
Lightning protection / protection level	Lightning protection: 6KV 8/20us; Protection level: IP40 IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-3(RS):10V/m(80~1000MHz) IEC61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV	



**TPSW-0402GS**  
**6 port gigabit Industrial PoE switch unmanaged**

	IEC61000-4-5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000-4-9(pulsed magnet field):1000A/m IEC61000-4-10(damped oscillation):30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV, DM 1kV IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022): Class A IEC61000-6-2(Common Industrial Standard)
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	5 years, lifelong maintenance.

## Mechanical Dimensions



Note : All information contained in this document is subject to change without notice.