



**TPSW-0802FS**

**-40~85 °C operation Industrial**

## Description

The TPSW-0802FS is full gigabit industrial PoE fiber switch independently developed by Yutuo. It has 8\*10/100/1000Base-T POE ports and 2\*1000Base-X uplink SFP slot ports. Port 1-8 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 120W(at-240W). 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

- ❑ 8\*10/100/1000M POE+ 2\*/100/1000M SFP fiber Port Industrial PoE Switch, 1-8 ports support IEEE 802.3af/at.
- ❑ PoE port support AF/AT intelligent recognition. Standard power is 15.4W/port, Maximum power: 30W/port.
- ❑ Only support 1,2(+)/3,6(-).
- ❑ Support AI Watchdog, Port self-healing, VLAN, extend 300meter distance, Auto Speed Change, Priority port & reduce the after-resale.
- ❑ Operation TEMP: -40~85°C
- ❑ Input voltage: DC48-57V, Redundant dual power 5-bit industrial terminals.
- ❑ IP protection level: IP40; Rail-type installation.
- ❑ 5 years warranty.

**Specifications**

<b>Model</b>	<b>TPSW-0802FS</b>
Interface	8*10/100/1000Base-T PoE ports (Data/Power) 2*1000Base-X uplink SFP fiber slot ports (Data) 2 set of V+, V- redundant DC power interface (5 Pin Phoenix terminal)
PoE Port	Port 1-8 supports POE @ IEEE802.3af/at
Network Protocol	IEEE802.3 10BASE-T IEEE802.3u 100BASE-T/TX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-X IEEE802.3u 100BASE-FX IEEE802.3x.
PoE Standard	IEEE802.3af/at
SFP Port Characteristic	Gigabit SFP optical fiber interface, default matching optical modules, need to buy separately, (optional order mode / multi-mode, single fiber / double fiber optical module).
Forwarding Mode	Store and Forward
Switching Capacity	20Gbps
Forwarding Rate@64byte	14.88Mpps
MAC	8K
Buffer Memory	2M
Jumbo Frame	10K
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)
Optical Cable	Multimode: 850nm 0 ~ 500M, 1310nm 0~2KM; Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Working Voltage	48-57VDC; 5 Pin industrial Phoenix terminal, support anti-reverse protection.
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	240W (48-57VDC)
Power Consumption	Standby:<3W; Full load:<120W
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-8(Link/Act)/ (Green),9(Link/Act)/ (Green); POE indicator: PoE (Orange)
Power Supply	No, optional 48V/120W or 48V/240W industrial power supply
Operation TEMP / Humidity	-40~+85°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+125°C;5%~95% RH Non condensing
Dimension	165*145*53mm
Net /Gross Weight	<1.0kg / <1.3 kg

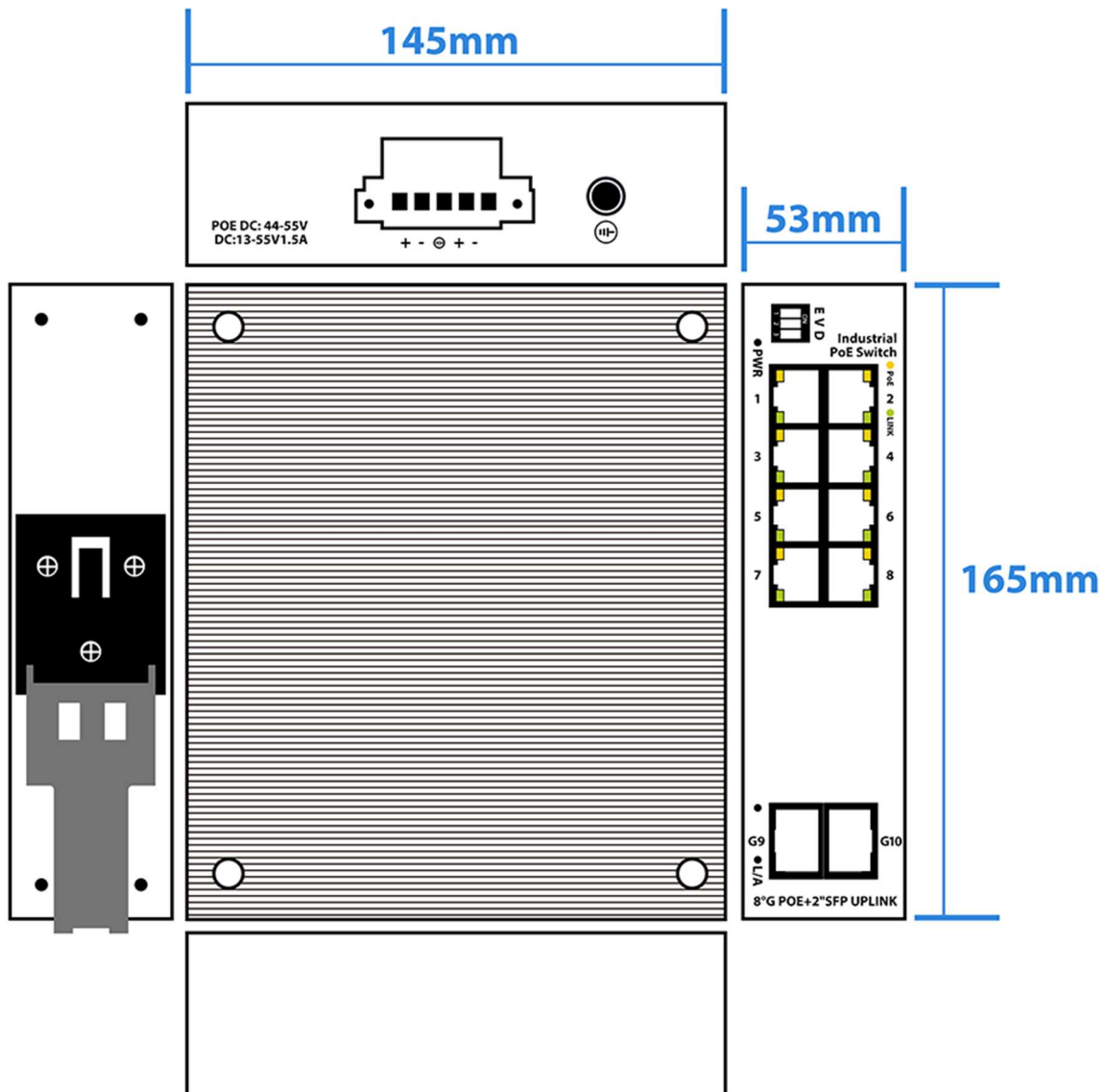


## TPSW-0802FS

### 8 port gigabit with 2 port fiber Industrial PoE switch unmanaged

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 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	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.