



OVERVIEW

The **SI822P** series is a full gigabit industrial PoE fiber switch independently developed by XENTINO. It has **10*10/100/1000Base-T RJ45** 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**. 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.

Unmanaged mode, plug, and play, no configuration, easy to use.

FEATURES

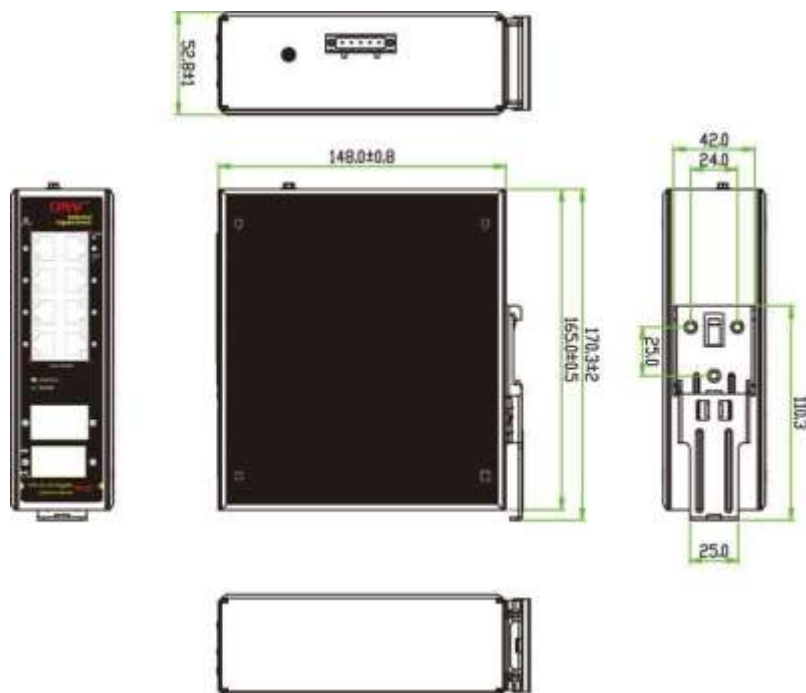
- ❖ **Gigabit Ethernet port Access,uplink gigabit dual SFP port**
 - Uplink gigabit dual SFP fiber ports, easy to achieve high bandwidth and long-distance transmission.
 - Dual SFP fiber ports can cascade, chain, compatible with SFP module connection.
- ❖ **Port lightning protection, wide voltage input**
 - Contact discharge 8KV, air discharge 15KV; port lightning protection common-mode 4KV, differential mode 2KV;
 - Industrial dual power input.
 - DC INPUT: 48V-57V, non-PoE DC INPUT: 12-48V.
- ❖ **Intelligent PoE power supply**
 - 8*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
 - IEEE 802.3af/at PoE standard, without damaging non-PoE devices.
 - Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.
- ❖ **Stable and reliable**
 - Low power consumption, No fan low noise design, aluminum shell.
 - CCC, CE, FCC, RoHS.
 - The user-friendly panel, it can show the device status through the LED indicator of PWR, SYS, Link, L/A, PoE.

TECHNICAL SPECIFICATION

XENTINO SI822P	
Interface Characteristics	
Fixed Port	8*10/100/1000Base-T PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2*1000Base-X uplink SFP fiber slot ports (Data) 2 sets of V+, V- redundant DC power port (5P Phoenix terminal)
Ethernet Port	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)
Fiber Port	Gigabit SFP optical fiber port, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable	Multimode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X,IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	24Gbps (Non-blocking)
Forwarding Rate	17.86Mpps (@64byte)
MAC	8K
Buffer Memory	4M
Jumbo Frame	9.2K
LED Indicator	Power: PWR (green);Network :Link, Link/Act (yellow); PoE : PoE (green)
PoE & Power Supply	
PoE Port	Port 1 to 8 IEEE802.3af/at @ POE
Power Supply Pin	1/2 (+), 3/6 (-)
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	120W/48VDC
Power Consumption	Standby:<8W;Full load:<120W
Power Supply	No, optional 48V/120W or 48V/240W industrial power supply
Working Voltage	48-57VDC; 5P industrial phoenix terminal, anti-reverse protection.
Physical Parameter	
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+75°C, 5%~95% RH Non condensing
Dimension	165*148*54mm (L*W*H)
Net /Gross Weight	<1.0kg / <1.3kg
Form Factor	Desktop, 35mm DIN rail mounting

Certification & Warranty	
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)
Mechanical Properties	IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B;
Warranty	2 years, lifelong maintenance.

DIMENSION



ORDERING INFORMATION

Model	Description	Recommended Power Supply
SI822GP	Unmanaged industrial PoE fiber switch with 10*10/100/1000M RJ45 ports and 2*1000M uplink SFP slot ports, Port 1-8 can support IEEE802.3af/at PoE. Support DC dual power supply input and DIN rail mounting.	120W

Note: The industrial PoE switch not including SFP optical module and power supply. and

PACKAGE CONTENT

QTY	UNIT	CONTENT
1	SET	12-port full gigabit industrial PoE fiber switch
1	PC	User Guide
1	PC	Warranty Card