

TSE-SF1004F: 5 port 10/100Mbps fiber optical PoE switch

Supplying power for the wireless access point of AP and network camera by using UTP CAT5e, having 4port of 10/100Mbps standard PoE power supply and a 10/100Mbps SC UpLink.



Packaging

Packaging Detail: 1pcs/box,20 pcs/carton , 22.5*18.5*5.5cm/box,47.5*39*30cm/carton

Descriptions

5-port unmanaged POE (Power-over-Ethernet) Industrial Ethernet switch, it supports 4 POE ports which are classified as power source equipment (PSE). It uses UTP CAT5e to transmit data and power at the same time from a network node. The port is not only for 10/100 MBPS connection, but which POE port can also provide IEEE802.3at standard of power supply. By testing, for 802.3af/at terminal equipment supply after classifying, without fear of damaging the private standard POE or non POE equipment, and single port can provide up to 30watts of power . it greatly reduce the additional power wiring cost of the users, wireless LAN access points, video surveillance camera equipment and so on, providing users with higher flexibility and mobility.

Advanced self-adaptive algorithm only supply PD terminal equipment with power, so without fear of damaging to private standard POE or non POE equipment. It will stop supplying power when POE equipment isn't connected. With terse and reliable design, identify automatically the requirement of POE, speed, duplex ,and using Auto Uplink™ cable types.

Product Features:

1. 4 port 10/100Mbps, up to 100 meters POE power supply distance,the UpLink is 155Mbps optical port.
2. Supply power to up to 4 terminal equipment simultaneously when using UTP CAT5e
3. 4 port IEEE802.3at(30W) Ethernet power supply standard, compatible with IEEE802.3af (15.4 W)
4. Dynamic LED display for monitoring port working conditions and power supply

- 5.Through the secondary chip design of lightning protection, avoid electrostatic induction and isolate circuit protection at the same time
- 6.Plug and play, require no configuration, power supply to the adaptive equipment automatically.

Specifications:

Detailed Description	
Product Name	5-port 10/100Mbps fiber optical PoE switch
Model Number	TSE-SF1004F-aF TSE-SF1004F-aT
POE Specifications	Support IEEE802 .3af,IEEE802 .3at international power supply standard
POE power supply parameter	Single port: IEEE802 .3af 15.4W IEEE802 .3at 30W
Standard Configured Power Input (Accept consumer's configuration)	DC: 48V/1.25A/60W (IEEE802.3af) DC: 48V/2A/96W ((IEEE802.3at)
Power supply line	Data line to 1 2 3 6 Free line to 4 5 7 8 (alternative)
Port and Performance	
Electrical interface parameter	Electrical interface: RJ45 Cable Type :UTP CAT5e Or higher level of New CAT6 Transmission distance :100 meter
Network protocol and standards	IEEE802.3i 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3x Flow Control IEEE802.3af Power over Ethernet
Performance Specification	Store and forwarding Backplane bandwidth: 1.0G; Packet forwarding rate:1.19Mpps Transfer mode:Full-Duplex or Half-Duplex adaption,self-adaption Addressing:48 bit MAC address Mac Address Table:1,000 MAC address per Network delay:10Mbps to 100Mbps, less than 20ms under 64byte frame
Fiber optical uplink port	SC : single mode ,single fiber ,wavelength:1310nm ,or 1550nm SC : single mode ,duple fiber
LED indicators	Per Port: Link, Activity, Speed Per equipment: Power LED , POE indicators LED
Safety protection	IEC61000-4-2 (ESD) ±15KV(air), ±8KV(contanc),be able to support 8/20us 24A
Environment and Specifications	
Safety& Emission	CE,ROHS
Dimensions	132x83x35mm(H x W x D)
Weigh(kg)	0.42kg
Environmental specifications	Operating temperature: 0 to 55°C Storage temperature: -20 to 70°C Operating humidity: 90% maximum relative humidity, non-condensing

	Storage humidity: 95% maximum relative humidity, non-condensing
Warranty	1 year

Typical application:

Application 1: IP terminal supports POE power supply, connecting the IP terminal to the POE for electrical appliances, and cable provide DC power through transmitting data, IP terminal without laying power supply. As shown below:



Application 2: IP terminal does not support POE power supply, the IP terminal equipment need to add a POE splitter, the PoE splitter connected to the PoE power supply, separating the data and electricity . Through the Internet to transmit data, DC power line transmits power. Separate supply IP terminals, IP terminal without laying power supply. As shown below:

