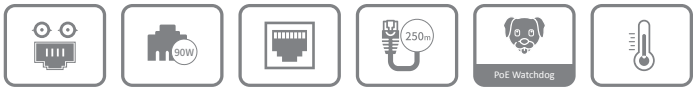
POE-SW802-DIN

10-Port Unmanaged Desktop Switch with 8 Port PoE

* The parameters and datasheets below can only be applied to V2.0 (version 2.0)

- Intelligent PoE
- BT 90W
- 8-pin assignment PoE power supply
- Long distance PoE
- PoE watchdog
- Wide working temperature



System Overview

POE-SW802-DIN is an unmanaged Hardened PoE Switch with 8 × 10/100Mbps PoE Ports. It provides 8 × 10/100 Mbps Ethernet ports , 1 × 1000M SFPand 1× 10/100/1000 Mbps uplink ports. The product is equipped with two types of transmission modes (Extend Mode On/ Extend Mode Off). The red port supports the IEEE802.3bt and the Hi-PoE standards. The maximum power consumption is 90W. It also supports PoE watchdog to avoid manually maintenance and device restart, which can realize the intelligent management and reduce the cost.

Functions

Intelligent PoE

Provides control over power consumption and offers real-time monitoring to ensure power supplies receive priority with important ports and to prevent malfunctions caused by changes in power consumption. Supports ultra wide power supplies and is able to adapt to IPC power fluctuations.

BT 90W

The red ports support IEEE802.3af, IEEE802.3at, IEEE802.3bt and Hi-PoE standards, with a maximum output power consumption rate of 90W per port. Suitable for powering high-power devices.

PoE Watchdog

Adopts the innovative PoE Watchdog. PoE Watchdog can be switched on by dialing or turning on the WEB page switch. It enables the switch to automatically detect port status and restart failed ports to recover connection in case of IPC connection exception. This enables intelligent operation and maintenance management in its truest sense, effectively reducing manual maintenance costs.

Long Distance PoE

By dialing or enabling long-range transmission on the WEB interface, the transmission distance of a PoE port can be up to 250 m, meeting the requirements of wired transmission (bandwidth reduced to 10 Mbps).

8-pin Assignment PoE Power Supply

Supports 8-pin simultaneous power supply (1/2/4/5 positive, 3/6/7/8 negative). Signal lines and idle lines supply power at the same time. Compatibility with IPC is enhanced. Cable loss is reduced. Loading capacity is increased.

Scene

The device is applicable for use in different scenarios, including home, office, server farm, and small mall.

Specification

Hardware

Data Transmission Port	Port 1–8: 8 × RJ-45 10/100 Mbps (PoE) Port 9: 1 × RJ-45 10/100/1000 Mbps (uplink) Port 10: 1 × SFP 1000 Mbps (uplink)
Power Supply	48 V–57 V DC
Operaing Temperature	–30 °C to +65 °C (-22 °F to +149 °F)
Operating Humidity	5% – 95% (RH)
Power Consumption	Idling: 3 W Full load: 96 W

Performance

Capacity	7.6 Gbps
Packet Forwarding Rate	4.17 Mbps
Packet Buffer Memory	1 Mbit
MAC Table Size	8K
Communication Standard	IEEE802.3/IEEE802.3u/IEEE802.3X/IEEE 802.3ab/IEEE 802.3z

PoE

PoE Standard	IEEE802.3af/ IEEE802.3at/ Hi-PoE/ IEEE802.3bt
PoE Power	Port 1-2 ≤ 90 W, Port 3-8 ≤ 30W, total≤ 96 W
Power Consumption Management	Yes
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Long Distance PoE	250 m (820.21 ft) long distance PoE transmission

General

Lightning Protection	Air discharge: 8 kV Contact discharge: 6 kV
ESD Protection	Common mode: 4 kV Differential mode: 2 kV
Net Weight	0.54 kg (1.03 lb)
Product Dimensions	150 mm × 100 mm × 42 mm (5.91" × 3.94" × 1.65")

Transmission Performance:

Switch power supply voltage 53V.
CAT5E/CAT6. Max. DC resistance < 10 Ω/100 m

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90 W		
100	71.3	100
150	62	10
200	51	10
250	40	10
Hi-PoE 60 W		
100	53	100
150	50	10
200	47	10
250	37	10
IEEE802.3at 30 W		
100	25.5	100
150	25.5	10
200	25.5	10
250	25.5	10