DH-SF1009P

9-Port Unmanaged Desktop Switch with 8 Port PoE

- Intelligent PoE.
- Red port supports 90W IEEE802.3bt.
- 8-pin assignment PoE power supply.
- 250 m long distance PoE transmission.
- PoE watchdog.
- Wide working temperature.

System Overview

DH-SF1009P is an unmanaged Desktop Switch with 8 × 10/100Mbps PoE Ports. It provides 8 × 10/100 Mbps Ethernet ports and 1 × 10/100 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 consumpton 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 power consumption control and real-time monitoring to guarantee priority of power supply for important ports and prevent malfunctioning caused by power consumption change. Supports ultra wide power supply, able to adapt to IPC power fluctuation.

Red Port 90W
The red ports support IEEE802.3af, IEEE802.3at, IEEE802.3bt and Hi-PoE standards, with a maximum output power consumption 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/turning on the WEB page switch. It enables the switch to automatically detect port status and restart the failed ports to recover connection in case of IPC connection exception. This enables intelligent operation and maintenance management in its true sense and effectively reduces 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 requirement of wired transmission (bandwidth reduced to 10 Mbps).

Eight-pin PoE
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.

Technical Specification

Hardware

Included Power Adapter	Yes
PoE	Yes
Ethernet Port	8
Optical Port	0
Ethernet Port Speed	10/100 Mbps
Ethernet Port Uplink Speed	10/100 Mbps
Description of Function Slots	Port 1–8: 8 × RJ-45 10/100 Mbps (PoE) Port 9: 1 × RJ-45 10/100 Mbps (Uplink)
Power Supply	External power supply: 48–57 VDC, 2–1.68 A
Operaing Temperature	–10 °C to +55 °C (+14°F to +131°F)
Operatng Humidity	5% – 95% (RH)
Power Consumpton	Idling: 1.5 W Full load: 96 W

Performance

Layer	Layer 2
Management Type	No
Smart Managed Switch	No
Switching Capacity	1.8 Gbps
Packet Forwarding Rate	1.34 Mpps
Packet Buffer Size	768 kbit
MAC Table Size	2K
Communication Standard	IEEE 802.3; IEEE 802.3u; IEEE 802.3x

Feature

PoE Protocol	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt
PoE Power	96 W
Power Consumption Management	Yes
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
ePoE	No
Long Distance PoE Transmission	Yes
PoE Watchdog	Yes

General

Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lighting Protection	Common mode: 4 kV Differental mode: 2 kV
Net Weight	0.49 kg (1.08 lb)
Gross Weight	1.3 kg (2.87 lb)
Product Dimensions	190 mm × 100 mm × 30 mm (7.48" × 3.94" × 1.18") (L × W × H)
Packaging Dimensions	267 mm × 239 mm × 77 mm (10.51" × 9.41" × 3.03") (L × W × H)
Casing Material	Iron
Installation	Desktop mount; wall mount
Certifications	CE

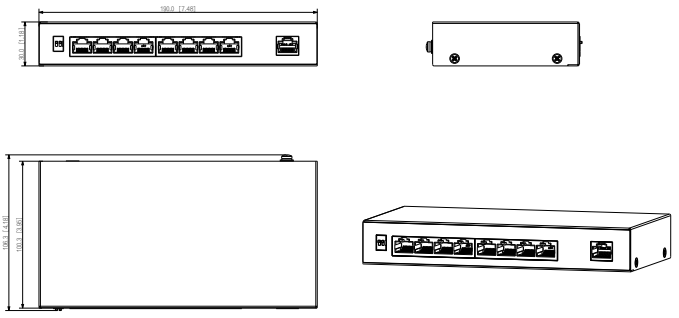
Transmission Performance:

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

Note: Data from this table was collected by Dahua test lab and is for reference only . The actual transmission distance may vary due to power consumption of connected devices or the cable type and status.

Dimensions (mm[inch])



Panels