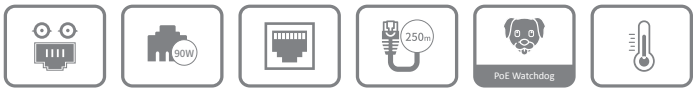
DH-PFS3010-8ET-96

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

DH-PFS3010-8ET-96 is an unmanaged Desktop Switch with 8 × 10/100Mbps PoE Ports. It provides 8 × 10/100 Mbps Ethernet ports and 2 × 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

Adopt PoE power consumption management strategy, and supply power to important ports first. When total power consumption exceeds the set threshold value of the system, power down the ports from large port number to small port number. Adopt smart detection to prevent outage. Supply power with ultra-wide power range, and adapt to IPC power consumption fluctuations in severe environment.

BT 90W

The red port supports the IEEE802.3bt and the Hi-PoE standards. The maximum power consumption is 90 W.

PoE Watchdog

Adopt the PoE watchdog function to avoid manually maintenance and device restart, which can realize the intelligent management and reduce the cost.

Long Distance PoE

Breaking the IEEE 100 m transmission limit, the device supports 250 m long distance PoE transmission with a more flexible networking.

8-pin Assignment PoE Power Supply

The Eight-PIN Ethernet port supports power supply, to enhance front-end and rear-end compatibility.
Reduce cable loss and promote loading capacity.

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 9-10: 2 × RJ-45 10/100/1000 Mbps (Uplink)
Power Supply	48 V- 57 V DC
Operaing Temperature	–10 °C to +55 °C (+14°F to +131°F)
Operating Humidity	5% – 95% (RH)
Storage Temperature	–20 °C to +70 °C (–4°F to +158°F)
Storage Humidity	5% – 95% (RH)
Power Consumption	Idling: 3 W Full load: 96 W

Performance

Capacity	5.60 Gbps
Packet Forwarding Rate	4.17 Mpps
Packet Buffer Memory	4 Mbit
MAC Table Size	8K
Communication Standard	IEEE802.3/IEEE802.3u/IEEE 802.3ab/IEEE802.3x

PoE

PoE Standard	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-)
Long Distance PoE	250 m long distance PoE transmission
PoE Watchdog	Yes

General

Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Thunder-proof	Common mode: 4 kV Differential mode: 2 kV
Net Weight	0.50 kg (1.10 lb)
Gross Weight	1.32 kg (2.91 lb)
Product Dimensions	190 mm × 100 mm × 30 mm (7.48" × 3.94" × 1.18")

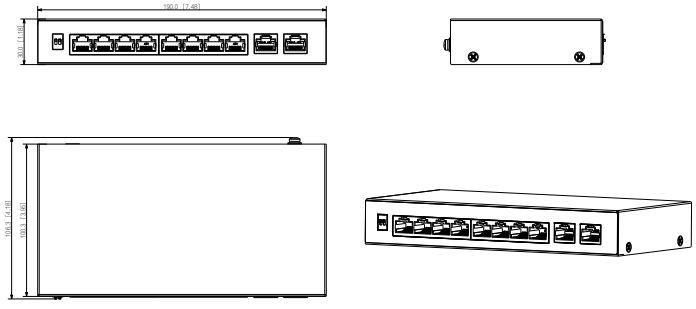
Transmission Performance:

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

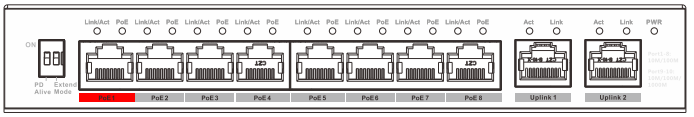
Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90W		
100	71.3	100
150	62	10
200	51	10
250	40	10
Hi-PoE 60W		
100	53	100
150	50	10
200	47	10
250	37	10
IEEE802.3at 30W		
100	25.5	100
150	25.5	10
200	25.5	10
250	25.5	10

Note: Data from this table was collected by Dahua test lab and is for reference only . If there is inconsistency between field application and the table, the field result shall prevail.

Dimensions (mm[inch])



Panels



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