

DH-PFS3010-8ET-96

10-Port Unmanaged Desktop Switch with 8 Port PoE



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.

* 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



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 frontend 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.

Desktop PoE Switch | DH-PFS3010-8ET-96

Specification

Hardware					
	Port 1–8: 8 × RJ-45 10/100 Mbps (PoE)				
Data Transmission Port	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 Ioad: 96 W				
Performance					
Capacity	5.60 Gbps				
Packet Forwarding Rate	4.17 Mpps				
Packet Buffer Memory	4 Mbit				
MAC Table Size	8K				
Communication Standard	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

	LinklAct Poll Linkl	Act PolE LinkiAct Po	E Link/Act PoE	Link/Act PoE Link/Act	PoE Link/Act PoE Link/Act PoE	Act Link O O	Act Link PWR O O O
°N 881				E			
PD Exten Alive Mode	Pot 1	PoE2 PoE3	PoE4	PoE5 Po	E6 PoE7 PoE8	Uplink 1	Uplink 2

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