

# DH-PFS3009-8ET1GT-96

## 9-Port Unmanaged Desktop Switch with 8-Port PoE



- Layer 2 commercial switch
- Supports IEEE802.3, IEEE802.3u, IEEE802.3ab and IEEE802.3x standards
- MAC auto study and aging, MAC table size is 2K
- MDI/MDIX self-adaption.
- Adopts metal enclosure
- Port 1 supports Hi-PoE 60W power supply
- Wall-mount installation
- Anti-theft lock hole
- Long distance PoE

### System Overview

The 9-Port Unmanaged Desktop Switch with 8-Port PoE is a type of layer 2 commercial switch, which supports long distance Ethernet power supply. It provides eight 10/100 Mbps Ethernet ports and one 10/100/1000 Mbps uplink port. The product is equipped with two types of transmission modes (Default/Extend), which are controlled by DIP switch.

Advantages of solid and sealed all-metal case design, low power consumption, fanless and efficient surface heat dissipation make it work in the environment from -10°C to 55°C.

### 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.

#### Eight-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.

#### Hi-PoE 60W (Orange Port)

Besides IEEE802.3af and IEEE802.3at, orange port also supports max. 60W output.

#### Long Distance PoE

250 m long distance PoE transmission.

### Easy Installation

Support desktop and wall mounting. The anti-theft lock hole supports mechanical anti-theft function.

### Wide Working Temperature

With operating temperature ranging from -10°C to +55°C (+14°F to +131°F), the switch is designed for relatively severe temperature environments.

### Application

The 9-Port Unmanaged Desktop Switch with 8-Port PoE is applicable to small-scale monitoring network, such as office desktop, school, hotel, supermarket and hospital.

**Technical Specification**

Hardware

Ethernet Port	Port 1-8:8 × RJ45 10/100M(PoE) Port 9:1 × RJ45 10/100/1000M(Uplink)
PoE Budget	Port 1≤ 60W(Hi-PoE), Port2-8 ≤30W, totals≤96W
Power Consumption (static)	2.7W
Standards Compliance	IEEE802.3, IEEE802.3u, IEEE802.3x
PoE Standard	IEEE802.3af, IEEE802.3at, Hi-PoE
PoE Pin Assignment	PoE/Hi-PoE:1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Long Distance	250 m, 10 Mbps
PoE Management	Support
Switching Capacity	3.6 GB
Packet Forwarding Rate	2.678 Mpps
Packet Buffer Memory	1 Mbit
MAC Table Size	2K
Flow Control	Enable by default
Operating Humidity	5%–95%
Power Supply	External power adapter: 53V DV
Thunderproof	Common mode: 4kV Differential mode: 2kV
ESD	Air discharge: 8kV Contact discharge: 6kV
Mounting	Support desktop and wall mounting
Anti-theft Lock Hole	Support
Operating Temperature	-10°C to 55°C (14°F to 131°F)
Weight	Net weight: 0.47 kg (1.04 lb) Box weight (with accessory): 1.28 kg (2.82 lb) Protective box weight (with accessory): 10.98 kg (24.21 lb)
Dimensions (W × D × H)	190 mm × 100 mm × 30 mm (7.48" × 3.94" × 0.9")
Packaging Dimensions (W × D × H)	Packing box: 267 mm × 239 mm × 77 mm (10.51" × 9.41" × 3.03") Protective box: 549 mm × 253 mm × 331 mm (21.61" × 9.96" × 13.03")

**Transmission Performance:**

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

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
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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])**

