

# 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)<br>Port 9: 1 × RJ45 10/100/1000M(Uplink)                                                                       |
| PoE Budget                       | Port 1 ≤ 60W(Hi-PoE), Port 2-8 ≤ 30W, total ≤ 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 Gbps                                                                                                                                       |
| 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<br>Differential mode: 2kV                                                                                                     |
| ESD                              | Air discharge: 8kV<br>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)<br>Box weight (with accessory): 1.28 kg (2.82 lb)<br>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")<br>Protective box: 549 mm × 253 mm × 331 mm (21.61" × 9.96" × 13.03")            |

## Dimensions (mm[inch])

