# DH-PFS3008-8GT-96

## 8-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
- All-giga Ports
- Long distance PoE
- PoE watchdog
- Wide working temperature




## System Overview

DH-PFS3008-8GT-96 is an unmanaged Desktop Switch with 8 × 10/100/1000 Mbps PoE Ports. It provides 8 × 10/100/1000 Mbps Ethernet 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**

Provides control over power consumption and offers real-time monitoring to ensure power supplies receive priority with important ports and to prevent malfunctions caused by changes in power consumption. Supports ultra wide power supplies and is able to adapt to IPC power fluctuations.

**BT 90W**

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

**All-Gigabit Ports**

Designed with large buffer memory and all-Gigabit ports, enabling high-definition access of large stream.

## Scene

The device is applicable for use in different scenarios, including home, office, server farm, and small mall.

## Technical Specification

### Hardware

| | |
|---|---|
| Data Transmission Port | Port 1–8: 8 × RJ-45 10/100/1000 Mbps (PoE) |
| 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<br>Full load: 96 W |

### Performance

| | |
|---|---|
| Capacity | 20 Gbps |
| Packet Forwarding Rate | 11.9 Mpps |
| Packet Buffer Memory | 1.5 Mbit |
| MAC Table Size | 8K |
| Communication Standard | IEEE802.3; IEEE802.3u; IEEE802.3X ;IEEE 802.3az; IEEE 802.3ab |

### 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 | Supports 250 m (820.21 ft) |

## General

| | |
|---|---|
| Statics Protection | Air discharge: 8 kV<br>Contact discharge: 6 kV |
| Thunder-proof | Common mode: 2 kV<br>Differential mode: 0.5 kV |
| Net Weight | 490 g (1.08 lb) |
| Product Dimensions | 190 mm × 100 mm × 30 mm (7.48" × 3.94" × 1.18") (W × L × H) |

## Transmission Performance:

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

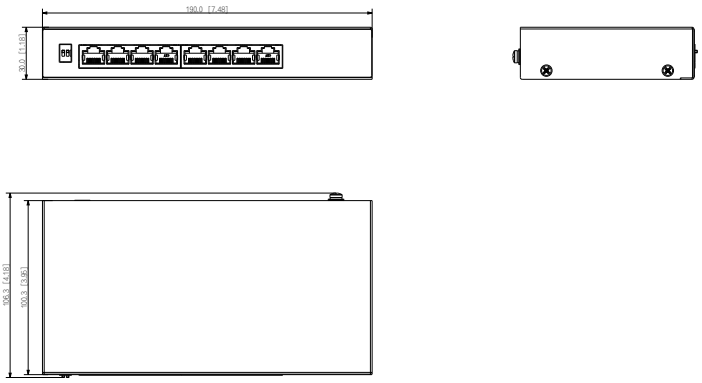
| Cable(m) | Load Capacity(W) | Bandwidth(Mbps) |
|---|---|---|
| IEEE802.3bt 90 W | | |
| 100 | 71.3 | 100 |
| 150 | 62 | 10 |
| 200 | 51 | 10 |
| 250 | 40 | 10 |
| Hi-PoE 60 W | | |
| 100 | 53 | 100 |
| 150 | 50 | 10 |
| 200 | 47 | 10 |
| 250 | 37 | 10 |
| IEEE802.3at 30 W | | |
| 100 | 25.5 | 100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

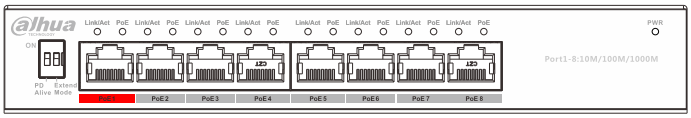
## Ordering Information

| Type | Part Number | Description |
|---|---|---|
| PoE Swtich | DH-PFS3008-8GT-96 | Dahua 8-Port Unmanaged Desktop Switch with 8 Port PoE |
| | PFS3008-8GT-96 | 8-Port Unmanaged Desktop Switch with 8 Port PoE |

## Dimensions (mm[inch])




## Panels




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