

# 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)<br>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<br>Full load: 96 W                                                          |

|                        |                                              |
|------------------------|----------------------------------------------|
| Performance            |                                              |
| Switching 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                    | Port 1 ≤ 90 W, Port 2-8 ≤30 W, total ≤ 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<br>Contact discharge: 6 kV  |
| Thunder-proof      | Common mode: 4 kV<br>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.<br>CAT5E/CAT6. Max. DC resistance < 10 Ω/100 m |                  |                 |
| Cable(m)                                                                        | Load Capacity(W) | Bandwidth(Mbps) |

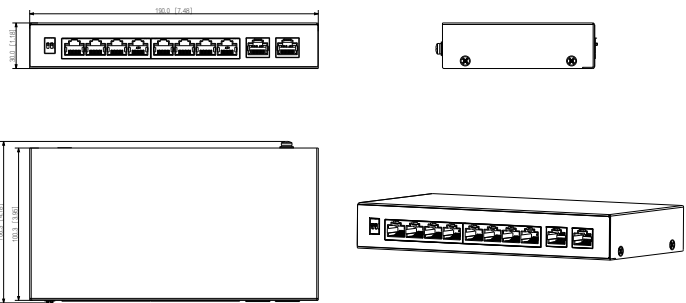
|                  |      |     |
|------------------|------|-----|
| IEEE802.3bt 90 W |      |     |
| 100              | 71.3 | 100 |
| 150              | 62   | 10  |
| 200              | 51   | 10  |
| 250              | 40   | 10  |

|             |    |     |
|-------------|----|-----|
| 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.

Dimensions (mm[inch])



Panels

