# DH-PFS3106-4ET-60

4-Port PoE Switch (Unmanaged)



- Eight-Pin assignment PoE power supply
- Intelligent PoE
- Hi-PoE 60 W (Orange Port)
- PoE watchdog
- 250 m long distance PoE transmission
- Wide operating temperature: –30 °C to +65 °C (–22 °F to +149 °F)




As an access layer PoE switch, DH-PFS3106-4ET-60 supports simultaneous access to maximum four cameras, and is applicable for outdoor monitoring scenes such as scenic spots, road junctions, coal mines and substations.

## System Overview

The device supports access to four 100 Mbps PoE Ethernet ports, one independent gigabit Ethernet port or one gigabit optical port, providing quasi-industrial quality assurance while meeting the requirements of various access scenes.

## Functions

**Rich Port Types**

Four 10/100 Mbps Base-T PoE Ethernet ports; one 10/100/1000 Mbps Base-T Ethernet ports; one 100/1000 Mbps Base-X optical port.

**Wide Operating Temperature**

The device can work in environment temperature ranging from –30 °C to +65 °C (–22 °F to +149 °F).

**Dual Power Backup**

The device supports dual power backup.

**Intelligent PoE**

The switch features intelligent PoE power consumption management to help keep the power and data flowing, even when the switch experiences a power fault. Intelligent PoE monitors the power consumption of the connected devices, and in the event of large power fluctuations, the switch shuts down one port at a time rather than shutting down all ports. Unlike typical switches that shut down all ports as once, this switch shuts down the highest number port first, then the next highest number until the switch detects the power consumption is below the PoE budget.

**Hi-PoE 60W**

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

**PoE Watchdog**

The switch employs an innovative PoE watchdog function that automatically detects a network port failure and restarts network communication on the port. This functionality avoids manual maintenance and network restarts, saving time and reducing costs.

**Long Distance PoE**

Long-distance PoE transmission extends the maximum transmission distance to 250 m (from 100 m), but reduces transmission speed to a maximum of 10 Mbps (from 1000 Mbps).

**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.

## Scene

Applicable for outdoor monitoring scenes such as scenic spots, road junctions, coal mines and substations.

## Technical Specification

### Hardware

| | |
|---|---|
| Ethernet Port | 4 |
| Optical Port | 1 |
| Ethernet Port Speed | 100 Mbps |
| Data Transmission Port | Port 1–4: 4 × RJ-45 10/100 Mbps (PoE)<br>Port 5: 1 × RJ-45 10/100/1000 Mbps (Uplink)<br>Port 6: 1 × SFP 100/1000 Mbps (Uplink) |
| Power Supply | 53 VDC |
| Operaing Temperature | –30 °C to +65 °C (–22 °F to +149 °F) |
| Operating Humidity | 5%–95% (RH) |
| Storage Temperature | –30 °C to +70 °C (–22 °F to +158 °F) |
| Storage Humidity | 5%–95% (RH) |
| Power Consumption | Idling: 2.5 W<br>Full load: 60 W |

### Performance

| | |
|---|---|
| Capacity | 6.80 Gbps |
| Packet Forwarding Rate | 3.57 Mpps |
| Packet Buffer Memory | 1 Mbit |
| MAC Table Size | 8K |
| Communication Standard | IEEE802.3; IEEE802.3u; IEEE802.3X; IEEE 802.3ab; IEEE 802.3z |

### PoE

| | |
|---|---|
| PoE Standard | IEEE802.3af; IEEE802.3at; Hi-PoE |
| PoE Power | 60 W |
| Power Consumption Management | Yes |
| PoE Pin Assignment | PoE/Hi-PoE: 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-) |
| Long Distance PoE | 250 m long distance PoE transmission |

### General

| | |
|---|---|
| Statics Protection | Air discharge: 15 kV<br>Contact discharge: 8 kV |
| Thunder-proof | Common mode: 4 kV<br>Differential mode: 2 kV |
| Net Weight | 0.45 kg (0.99 lb) |
| Gross Weight | 1.10 kg (2.43 lb) |
| Product Dimensions | 150 mm × 100 mm × 30 mm (5.91" × 3.94" × 1.18") (L × W × H) |
| Packing Dimensions | Packing box: 270 mm × 240 mm × 75 mm (10.63" × 9.45" × 2.95") (L × W × H)<br>Protective box: 544 mm × 253 mm × 331 mm (21.42" × 9.96" × 13.03") (L × W × H) |

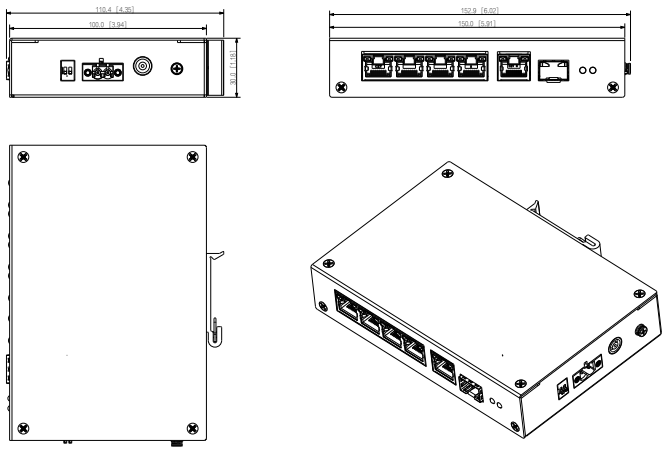
## Transmission Performance:

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.

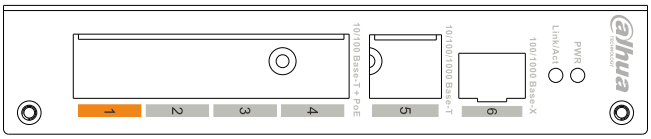
## Dimensions (mm[inch])

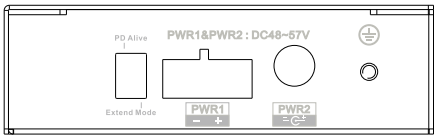


## Application




## Rear Panel




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