# DH-SF1006LP

## 6-Port Fast Ethernet Switch with 4-Port PoE

- Support four 10/100Mbps PoE power supply ports, and two 10/100Mbps uplink ports
- Support 802.3af and 802.3at standards
- Operating Temperature: -10°C to +55°C
- Support 250 m long distance PoE tansmission
- Support PoE watchdog

The 4-Port PoE switch with 10/100 Mbps is cost-effective and accessible. It supports scenarios with 1 to 4 access points and is widely used in security monitorning network, such as supermarkets, hospitals and stations.

### System Overview

Support four 10/100Mbps PoE power supply ports and two 10/100Mbps uplink ports. The power consumption of full load is 36W.

### Functions

**Various Port**

Port 1-2:2 × RJ-45 10/100Mbps(Uplink)

Port 3-6:4 × RJ-45 10/100Mbps(PoE)

**Long Distance Power Transmission**

Adopt DIP switch with bandwidth limit (100Mbps/10Mbps). After speed limitation, it supports 250 m long distance PoE transmission.

**PoE Watchdog**

Adopt the PoE watchdog function to avoid manually maintenance and device restart, which can realize the intelligent management and reduce the cost.

### Technical Specification

Hardware

| | |
|---|---|
| Data Transmission Port | Port 1-2:2 × RJ-45 10/100Mbps(Uplink)<br>Port 3-6:4 × RJ-45 10/100Mbps(PoE) |
| Power Supply | AC100–AC240V |
| Operating Temperature | -10°C to +55°C (+14°F to +131°F) |
| Operating Humidity | 10%–90% |
| Power Consumption | Idling: 0.5W<br>Full load: 36W |

PoE

| | |
|---|---|
| PoE Budget | Port 3-6 ≤30W, whole PoE budget ≤36W |
| PoE Standard | IEEE802.3af, IEEE802.3at |
| PoE Pin Assignment | PoE: 1, 2, 4, 5(V+), 3, 6, 7, 8(V-) |

Performance

| | |
|---|---|
| Switching Capacity | 1.2 Gbps |
| Packet Forwarding Rate | 0.89 Mpps |
| MAC Table Size | 2 K |
| Jumbo Frame | 2048 byte |
| Communication Standard | IEEE 802.3, IEEE 802.3u, IEEE 802.3X |

Performance

| | |
|---|---|
| ESD | Air discharge: 8kV<br>Contact discharge: 6kV |
| Thunderproof | Common mode: 6kV<br>Differential mode: 4kV |
| Net Weight | 0.56 kg (1.23 lb) |
| Gross Weight | 1.11 kg (2.15 lb) |
| Product Dimensions (W × L × H) | 194.0 mm × 108.1 mm × 35.0 mm (7.64" × 4.26" × 1.38") |
| Packaging Dimensions (W × L × H) | Packing box: 303 mm × 262 mm × 72 mm (11.92" ×10.31" × 2.83")<br>Protective box: 549 mm × 325 mm × 397 mm (21.61" ×12.80" × 15.63") |
| Package | 10 devices in one package |
| Certifications | CE: EN60950 |

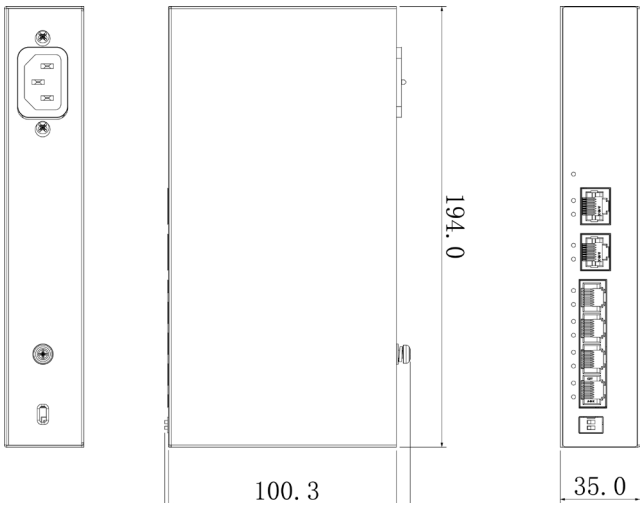
## Transmission Performance:

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

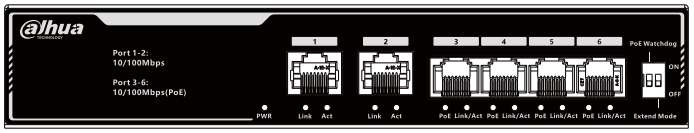
| Cable(m) | Load Capacity(W) | Bandwidth(Mbps) |
|---|---|---|
| IEEE802.3bt 90 W | | |
| 100 | 71.3 | 100 |
| 150 | 62 | 10 |
| 200 | 51 | 10 |
| 250 | 40 | 10 |
| Hi-PoE 60 W | | |
| 100 | 53 | 100 |
| 150 | 50 | 10 |
| 200 | 47 | 10 |
| 250 | 37 | 10 |
| IEEE802.3at 30 W | | |
| 100 | 25.5 | 100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

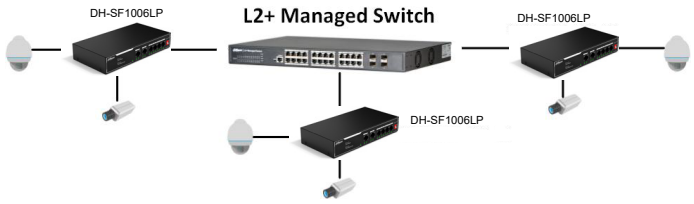
## Dimensions (mm[inch])




## Panels




## Application




Rev 002.000 © 2023 Dahua. All rights reserved. Design and specifications are subject to change without notice.
The images, specifications and information mentioned in the document are only for reference, and might differ from the actual product.