

# DH-PFS5936-24GF8GT4XF

## L2+ Managed Switch



- Support 24 100/1000 Mbps and 4 1/10 Gbps fiber ports, 8 10/100/1000 Mbps Ethernet ports
- Support VLAN and port aggregation
- Support STP, RSTP, MSTP and ERPS
- Support Web, CLI and SNMP management

### System Overview

DH-PFS5936-24GF8GT4XF is an optical fiber aggregation switch with 24 fiber ports, and located in central machine room. It can be connected to access switch with Gigabit fiber ports, and to core switches with 10 Gigabit fiber ports or Gigabit Ethernet ports.

### Functions

#### Rich port types

24 fiber ports with 100/1000 Mbps Base-X  
8 Ethernet ports with 10/100/1000 Mbps Base-T  
4 fiber ports with 1/10 Gbps SFP+

#### Forwarding capacity

Switching capacity is 221 Gbps  
Packet forwarding rate is 107 Mbps

#### Rich L2 features

Support VLAN, link aggregation, flow control and port mirroring

#### High link reliability

Support ring network, including STP, RSTP, MSTP and ERPS

#### Rich device management

Support Web (HTTP and HTTPS), Telnet, CLI, SNMP V1/V2C/V3

### Application

Located on the standard cabinet in machine room, the switch can be connected to fiber optical transceivers and access switches through optical fibers. It can also be directly connected to core switches with Gigabit Ethernet ports or 10 Gigabit fiber ports. So it is applicable to security monitoring system in all walks of life.

### Technical Specification

#### Hardware

|                        |  |
|------------------------|--|
| Data Transmission Port | 24 fiber ports with 100/1000 Mbps Base-X<br>8 Ethernet ports with 10/100/1000 Mbps Base-T<br>4 fiber ports with 1/10 Gbps SFP+ |
| Debugging              | 1 console port   |
| Power Supply           | AC 100V–240V   |
| Operating Conditions   | -20°C to +55°C (-4°F–131°F)  |
| Working Humidity       | 10%–90%  |
| Power Consumption      | Idling power consumption: 15W<br>Full load power consumption: 46W  |

#### Performance

|                        |  |
|------------------------|--|
| Switching Capacity     | 221 Gbps   |
| Packet Forwarding Rate | 107 Mbps   |
| Packet Cache           | 32 MB  |
| MAC Table Size         | 32 K   |
| Static MAC Address     | 256  |
| VLAN Amount            | 4K   |
| Router Ports           | 128  |
| IPv4 Router            | 128 static channels  |
| Standards Compliance   | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ad and IEEE 802.3ae |

#### Function

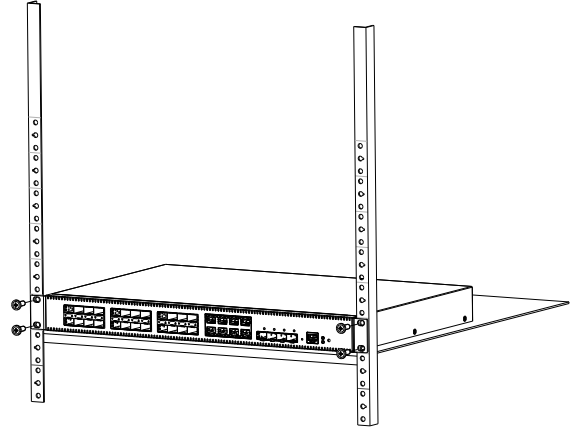
|                        |  |
|------------------------|--|
| ARP                    | 1K                                       |
| MAC Address Table      | Support static MAC address               |
| Spanning Tree Protocol | STP, RSTP, MSTP and ERPS                 |
| VLAN                   | 802.1Q                                   |
| Flow Control           | Support flow control based on IEEE802.3X |

|                    |   |
|--------------------|---|
| Link Aggregation   | Support static manual aggregation and static LACP aggregation   |
| Port Mirroring     | Support one-to-one and many-to-one port mirroring   |
| Multicast          | Support IGMP snooping   |
| DHCP               | Support DHCP-Server, DHCP-Client and DHCP-Snooping  |
| Security           | IEEE802.1x, support ACL and loop protection   |
| QoS                | Support QoS based on COS<br>Support 8 output queues per port<br>Support port shapers<br>Support QoS based on DSCP |
| System Maintenance | Support upload and download of configuration file<br>Support upload of upgrade package<br>Support system log      |
| Device Management  | Web, Telnet, CLI, SNMP V1/V2C/V3  |

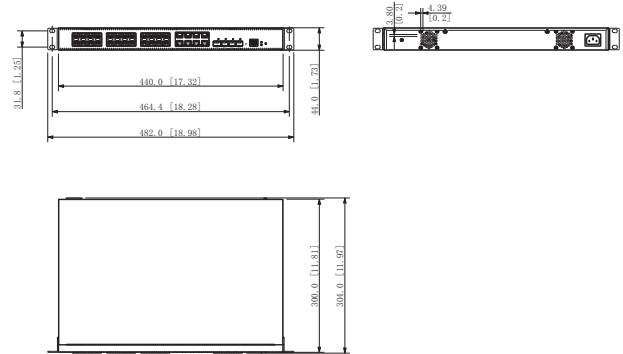
## General

|                                  |  |
|----------------------------------|--|
| Thunderproof                     | Common mode: 4kV<br>Differential mode: 2kV   |
| Net Weight                       | 3.60 kg (7.94 lb)  |
| Gross Weight                     | 4.75 kg (10.47 lb)   |
| Dimensions (W × L × H)           | 360 mm × 440 mm × 43.6 mm (14.17" × 17.32" × 1.72")  |
| Packaging Dimensions (W × L × H) | Packing box: 528 mm × 412 mm × 112 mm (20.79" × 16.22" × 4.41")<br>Protective box: 577 mm × 542 mm × 435 mm (22.72" × 21.34" × 17.13") |
| Package                          | 5 devices in one package   |
| Certifications                   | CE, FCC  |

## Installation



## Dimensions (mm[inch])



## Ordering Information

| Type        | Model                 | Description  |
|-------------|-----------------------|--|
| Accessories | PFT3950               | 1.25 G 850 nm, 2 km, LC, Multi-mode, Class 1         |
|             | PFT3960               | 1.25 G 1310/1550 nm, 20 km, LC, Single-mode, Class 1 |
|             | PFT3970               | 1.25 G 1550/1310 nm, 20 km, LC, Single-mode, Class 1 |
|             | PFTOTSFP-1270R-20-SMF | 10 G 1330/1270 nm, 20 km, LC, Single-mode, Class 1   |
|             | PFTOTSFP-1270T-20-SMF | 10 G 1270/1330 nm, 20 km, LC, Single-mode, Class 1   |
|             | PFTOTSFP-850-MMF      | 10 G 850 nm, 300 m, LC, Multi-mode, Class 1          |