

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 8 Ethernet ports with 10/100/1000 Mbps Base-T 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 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

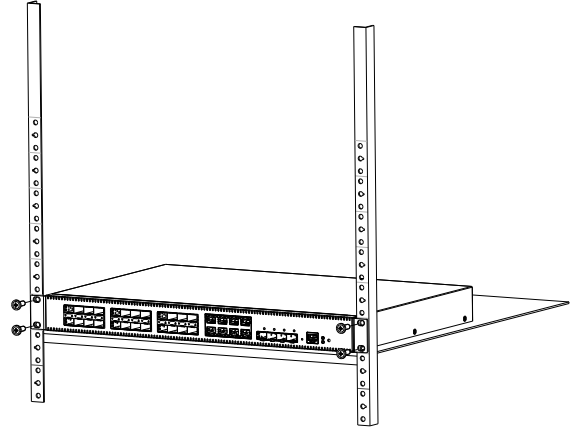
ARP	1K
MAC Address Table	Support static MAC address
Spanning Tree Protocol	STP, RSTP, MSTP and ERPS
VLAN	802.1Q
Flow Control	Support flow control based on IEEE802.3X

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 Support 8 output queues per port Support port shapers Support QoS based on DSCP
System Maintenance	Support upload and download of configuration file Support upload of upgrade package Support system log
Device Management	Web, Telnet, CLI, SNMP V1/V2C/V3

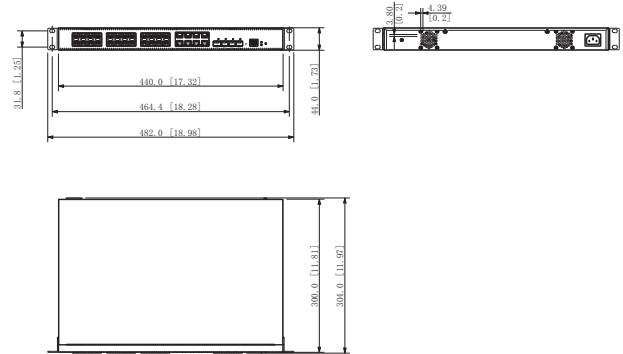
General

Thunderproof	Common mode: 4kV Differential mode: 2kV
Net Weight	3.60 kg (7.94 lb)
Gross Weight	4.75 kg (10.47 lb)
Dimensions (W x L x H)	360 mm x 440 mm x 43.6 mm (14.17" x 17.32" x 1.72")
Packaging Dimensions (W x L x H)	Packing box: 528 mm x 412 mm x 112 mm (20.79" x 16.22" x 4.41") Protective box: 577 mm x 542 mm x 435 mm (22.72" x 21.34" x 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