DH-PFS4212-8GT-96

12-Port Managed Desktop Gigabit Switch with 8-Port PoE

- Layer 2 network management PoE switch
- Network redundancy: STP/RSTP/MSTP
- Network management based on SNMP
- IEEE802.3af, IEEE802.3at standard and Hi-PoE 60W
- Large data buffer up to 4 MB, real-time transmission
- MAC auto study and aging, and MAC address list capacity is 8K
- Meet Class B Electromagnetic Compatibility Standard

System Overview

The 12-port managed desktop gigabit switch with 8-port PoE is designed and developed for field transmission application of high definition video. The product is equipped with high performance switching engine and large buffer, which features low transmission delay and high reliability. Advantages of solid and sealed all-metal case design, low power consumption, fanless and efficient surface heat dissipation make it work in the environment from-10°C to 55°C. And power input end overcurrent, overvoltage, and EMC protection can effectively resist the interference from static electricity, lightning, and pulse.The product owns powerful network management function. Network management system supports CLI, Telnet, web, and network management software based on SNMP.

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.
Green PoE can power on and power off according to time strategy.
Display realtime power consumption and PoE log.

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.

Hi-PoE 60W (Orange Port)

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

Web Smart Switch

The frequently-used configuration items are displayed on Quick Setting page, including IP change, VLAN configuration, link aggregation and gateway configuration.
The user-friendly interface is easy to use, and more suitable for users in security field.

Easy Installation

Support desktop and wall mounting. The anti-theft lock hole supports mechanical anti-theft function.

Wide Working Temperature

With operating temperature ranging from -10 °C to +55 °C (+14 °F to +131 °F), the switch is designed for relatively severe temperature environments.
The built-in professional lightning protection circuit supports 2KV all-port lightning protection, reduces the damages of thunder storms on the network system, and increases system robustness.
Meet Class B Electromagnetic Compatibility Standard. The product applies to residential, commercial and light industry environment.

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Technical Specification

Hardware

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Ethernet Port	Port 1-8: 8 × 10/100/1000 Base-T (PoE) Port 9-10: 2 × 10/100/1000 Base-T Port 11-12: 2 × 1000 Base-X
PoE Power Consumption	Port 1-2 ≤ 60W (Hi-PoE) Port 3-8 ≤ 30W, total ≤ 96W
PoE Protocol	IEEE802.3af, IEEE802.3at, Hi-PoE
Power Supply Pin	PoE: 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-); Hi-PoE: 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Switching Capacity	52 Gbps
Packet Forwarding Rate	17.856 Mpps
Packet Buffer Memory	4 Mbits
MAC Address Table	8K
Operating Humidity	5%RH–95%RH
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Power Input	48V DC-57V DC
Lightning Protection	Common mode: 2KV Differential mode: 1KV Class B Electromagnetic Compatibility Standard
Power Consumption	Idle: 12W PoE full load: 96W
Weight	0.84 kg (1.85 lb) Box weight (with accessory): 1.75 kg (3.86 lb) Box in protective box: 8 in 1. Protective box weight (with accessory): 14.5 kg (31.97 lb)
Dimension (W×D×H)	220 mm × 135 mm × 30 mm (8.67" × 5.31" × 1.18") Box dimension: 290 mm × 196 mm × 91 mm (11.42'' × 7.72'' × 3.58") Protective box dimension: 597 mm × 392 mm × 230 mm (23.50" × 15.43" × 9.06")

Software

System	Username/password: admin/admin
	IP address: 192.168.1.110/24
NTP	Yes
DHCP	DHCP-Client, DHCP-Server
VLAN	802.1Q Standard VLAN
Port Aggregation	Static link aggregation
	Dynamic link aggregation
Mirroring	Many-to-one port mirroring
Flow Control	Half-duplex based on back pressure type control
	Full duplex based on PAUSE frame
IGMP Snooping	IGMP snooping based on port

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Security	User management
	SSH
	HTTPS
	Hardware supports MAC binding based on port
	802.1X
	Loop protection
Spanning Tree	STP/RSTP/MSTP
ACL	Base MAC ACL
	Base IP ACL
LLDP	Yes
MAC Table	MAC address table configuration
Quality of Service	Each port supports 8 output queues
	Port shaping
	QoS based on DSCP
	SP, WRR queue scheduling
System Maintenance	One-key recovery of default
	The updated packet upload
	System logs
Network Management	WEB (http protocol), CLI, Telnet
	SNMP V1/V2/V3

Ordering Information

Type	Model	Description
Accessories	PFT3950	1.25G 850nm,500m,LC, Multi-mode, Class 1
	PFT3960	1.25G 1310/1550nm,20km,LC, Single-mode, Class 1
	PFT3970	1.25G 1550/1310nm,20km,LC, Single-mode, Class 1

Installation Diagram (Rack Mount)
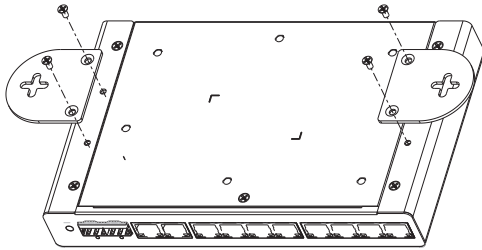
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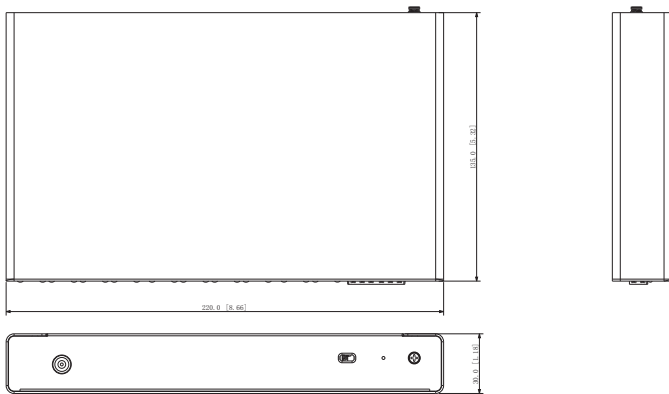
Application

It applies to small offices (200 square meters), large families and small stores to connect wireless AP, PC, IP Phone and IPC and so on.

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