DH-PFS4218-16GT-130

18-Port Managed Gigabit Switch with 16-Port PoE

- Intelligent PoE.
- Red port supports 90W IEEE802.3bt.
- Web management with friendly interface and easy operation.
- 250 m long distance PoE transmission.
- PoE watchdog.
- Large-capacity data cache (4Mbit) for real-time transmission and smooth video.
- All gigabit port design.

Series Overview

The DH-PFS4218-16GT-130 managed PoE switch comes with 16 gigabit PoE ports and 2 gigabit uplink combo ports. Highly reliable, it can carry a full load of 130 W. It also has a strong switching capability and optimizes transmission performance when accessing Ultra HD videos. With its full metal design, the device has great heat dissipation and low power consumption, working in environments ranging from 0 °C to + 45 °C (32 °F to 131 °F). It also has powerful network management functions, supporting CLI and various types of web and network management software based on SNMP.

Functions

Intelligent PoE
Provides power consumption control and real-time monitoring to guarantee priority of power supply for important ports and prevent malfunctioning caused by power consumption change. Supports ultra wide power supply, able to adapt to IPC power fluctuation.

All-Gigabit Ports
Designed with large buffer memory and all-Gigabit ports, enabling high-definition access of large stream.

Red Port 90W
The red ports support IEEE802.3af, IEEE802.3at, and IEEE802.3bt standards, with a maximum output power consumption of 90W per port. Suitable for powering high-power devices.

Uplink Combo
With two adaptive 10Mbps/100Mbps/1000Mbps RJ-45 ports and 1000Mbps optical ports, the switch provides users with a wide choice of uplink access.

Long Distance PoE
By dialing or enabling long-range transmission on the WEB interface, the transmission distance of a PoE port can be up to 250 m, meeting the requirement of wired transmission (bandwidth reduced to 10 Mbps).

Minimal WEB
Designed with a minimalist graphical WEB, easy to operate, which improves configuration efficiency.

Scene

Applicable to small and micro-scale monitoring networks such as office desktops, schools, hotels, supermarkets and hospitals.

Technical Specification

Hardware

Included Power Adapter	Yes
PoE	Yes
Ethernet Port	16
Ethernet Port Speed	10/100/1000 Mbps
Optical Port Speed	1000 Mbps
Ethernet Port Uplink Speed	10/100/1000 Mbps
Optical Port Uplink Speed	1000 Mbps
Description of Function Slots	Port 1-16:16 × 10M/100M/1000MBase-T (PoE) Port 17-18:2 × 10M/100M/1000MBase-T (uplink) (combo) Port 17-18:2 × 1000M SFP (uplink)(combo)
Debugging	1 × Console port
Reset Button	1
Power Supply	Built-in power supply: 100–240 VAC,50/60 Hz,3 A
Operating Temperature	0 °C to + 45 °C (32 °F to 131 °F)
Operating Humidity	10%–90%(RH)
Storage Temperature	−20 °C to +70 °C(−4 °F to +158 °F)
Storage Humidity	5%–90% (RH), non-condensing
Power Consumption	160 W

Performance

Layer	Layer 2+
Management Type	Web (http and https protocol); CLI; SNMP V1/V2C/V3
Switching Capacity	56 Gbps
Packet Forwarding Rate	29.76 Mpps
Packet Buffer Size	12 Mbit
Jumbo Frame	10K
MAC Table Size	16K
VLAN Number	4K
VLAN Interface	32
IPv4 Routes	16
Dynamic ARP	303
Communication Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab

Feature

PoE Protocol	IEEE802.3af; IEEE802.3at; IEEE802.3bt (Not support Hi-PoE)
PoE Power	Port 1-2 ≤ 90 W,Port 3-16 ≤ 30 W, Total ≤ 130 W
PoE Power Consumption Management	Yes
PoE Pin Assignment	Yes

Long Distance PoE Transmission	Yes
Spanning Tree Protocol	STP; RSTP; MSTP
VLAN Function	Yes
Link Aggregation	Yes
Multicast	Yes
ARP	Yes
Equipment Management	Yes

General

Statics Protection	Air discharge: 8 kV
Lightning Protection	Common mode: 6 kV
Net Weight	3.1 kg (6.83 lb)
Gross Weight	3.7 kg (8.16 lb)
Product Dimensions	440 mm × 185.8 mm × 44 mm (17.32" × 7.31" × 1.73")
Packaging Dimensions	469 mm × 265 mm × 83 mm (18.46" × 10.43" × 3.27")
Casing Material	Electro Galvanized Steel Sheet
Installation	Desktop mount; rack mount
Certifications	CE; FCC

Transmission Performance:

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

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)

IEEE802.3bt 90W

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
100	71.3	1000
150	62	10
200	51	10
250	40	10

Hi-PoE 60W

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
100	53	1000
150	50	10
200	47	10
250	37	10

IEEE802.3at 30W

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
100	25.5	1000
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.

Ordering Information

Type	Model	Description
SFP module	GSFP-1310T-20-SMF	1.25G 1310/1550nm, 20km, LC, Single-mode
	GSFP-1310R-20-SMF	1.25G 1550/1310nm, 20km, LC, Single-mode
	GSFP-1310-20-SMF	1.25G 1310nm, 20km, LC, Single-mode
	GSFP-850-MMF	1.25G 850nm, 550m, LC, Multi-mode

Dimensions (mm [inch])