

DH-PFS4307-4ET-96

7-Port Managed Hardened Switch with 4-Port PoE



- 4 × 100 Mbps Ethernet ports, and 3 × 1000 Mbps uplink optical ports.
- Meets IEEE 802.3af and IEEE802.3at power supply standards. The red port meets Hi-PoE/IEEE 802.3bt standard.
- High lightning and surge protection.
- IEEE802.1Q-based VLAN configuration.
- 250 m long-distance PoE with a transmission speed of 10 Mbps.
- PoE watchdog.
- Fanless design.
- Desktop mount and DIN-rail mount.



System Overview

PFS4307-4ET-96 is a managed Hardened PoE Switch with 4 × 10/100Mbps PoE Ports. It provides 4 × 10/100 Mbps Ethernet ports, 3 × 1000M SFP uplink ports. The full load is 96W. With all metal design, the product has good heat dissipation and low power consumption, which can work in environments from -30°C to +65°C. The product owns powerful network management functions. With Telnet, WEB management, SNMP and other functions, the device can be remotely managed.

Functions

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).

PoE Watchdog

Adopts the innovative PoE Watchdog. PoE Watchdog can be switched on by dialing/turning on the WEB page switch. It enables the switch to automatically detect port status and restart the failed ports to recover connection in case of IPC connection exception. This enables intelligent operation and maintenance management in its true sense and effectively reduces manual maintenance costs.

High Protection

Designed with high lightning and ESD protection, adapted to harsh environments.

Red Port 90W

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

Wide Operating Temperature (-30 °C to +65 °C)

Supports working at ambient temperatures of -30 °C to +65 °C, and has built-in professional mine-proof circuits, effectively reducing the impact of thunderstorms on network systems and improving system robustness, adapted to harsh environments.

Loop Convergence

The device selectively blocks redundant links on the network to eliminate Layer 2 loops. In case of disconnected link, it converges in a timely manner without interfering video transmission.

Scene

Suitable for different scenarios, such as corridors, factories, and offices.

Specification

Hardware

Included Power Adapter	Yes
PoE	Yes
Ethernet Port	4
Optical Port	3
Ethernet Port Speed	10/100 Mbps
Optical Port Speed	1000 Mbps
Description of Function Slots	Port 1-4: 4 × 10/100 Base-T (PoE); Port 5-7: 3 × 1000 Base-X
Reset Button	1
Power Supply	48-57 VDC, 2 A-1.68 A
Operating Temperature	-30 °C to +65 °C (-22 °F to +149 °F)
Operating Humidity	5%-95% (RH)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Humidity	5%-95% (RH)
Power Consumption	Idling: 4 W Full load: 96 W

Performance

Layer	Layer 2
Management Type	Yes

Switching Capacity	6.8 Gbps
Packet Forwarding Rate	5.06 Mpps
Packet Buffer Size	1 Mbit
MAC Table Size	8K
VLAN Number	31
Communication Standard	IEEE 802.3; IEEE 802.3u; IEEE 802.3X; IEEE 802.3ab; IEEE 802.3z; IEEE 802.3az; IEEE 802.3ad; IEEE 802.3ae

PoE

PoE Protocol	IEEE 802.3af; IEEE 802.3at; Hi-PoE; IEEE 802.3bt
PoE Power	Port 2-4 ≤30 W; Port 1 ≤90 W; Full load ≤96 W
PoE Power Consumption Management	Yes
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Long Distance PoE Transmission	Yes
Spanning Tree Protocol	STP/RSTP
VLAN Function	Port-based VLAN
Link Aggregation	Static link aggregation; Dynamic link aggregation
IEEE 802.3x Flow Control	Yes
Multicast	IGMP Snooping v1/v2
ARP	Yes
DHCP Function	DHCP Client
QoS/ACL	WRR queuing (the default scheduling ratio is 1:2:4:8); SP queuing; Priority mapping
Equipment Management	Yes

General

Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lighting Protection	Common mode: 4 kV Differential mode: 2 kV
Net Weight	0.6 kg (1.32 lb)
Gross Weight	1.28 kg (2.82 lb)
Product Dimensions	100 mm × 42 mm × 150 mm (3.94" × 1.65" × 5.91")
Packaging Dimensions	265 mm × 238 mm × 76 mm (10.43" × 9.37" × 2.99")
Casing Material	Metal
Installation	Desktop mount; Guide rail mount
Certifications	CE; FCC

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

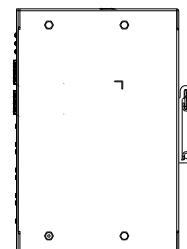
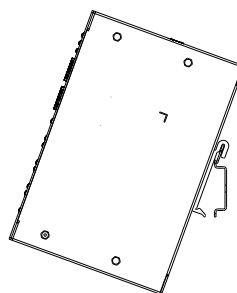
100	53	100
150	50	10
200	47	10
250	37	10

IEEE802.3at 30 W

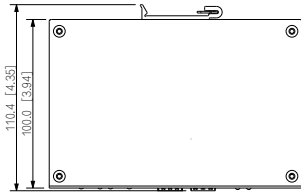
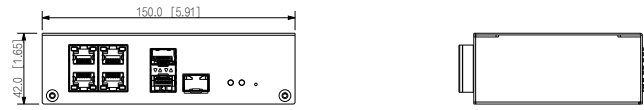
100	25.5	100
150	25.5	10
200	25.5	10
250	25.5	10

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.

Installation



Dimensions (mm[inch])



Ordering Information

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