alhua
TECHNOLOGY

DH-PFS3110-8ET1GT1GF-96

10-Port Unmanaged Desktop Switch with 8-Port PoE

- 100 Mbps PoE ports and gigabit uplink ports.
- The red port meets the IEEE 802.3bt standard.
- Power supply supports up to 90 W.
- PoE watchdog monitors the status of terminals in real-time.
- Supports 250 m long-distance power supply.
- Supports the power management policy.
- 8-pin PoE offers better compatibility and reduces cable loss.
- Durable full-metal housing provides great heat dissipation.

System Overview

PFS3110-8ET1GT1GF-96 is an unmanaged Desktop PoE Switch with 8 × 10/100 Mbps PoE Ports. It provides 8 × 10/100 Mbps Ethernet ports ,1 × 1000 M SFP and 1× 10/100/1000 Mbps uplink ports. The product is equipped with two types of transmission modes (Extend Mode On/ Extend Mode Off). The red port supports the IEEE802.3bt and the Hi-PoE standards. The maximum power consumption is 90W. It alsosupports PoE watchdog to avoid manually maintenance and device restart, which can realize the intelligent management and reduce the cost.

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.

Red Port 90 W
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.

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.

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).

Eight-pin PoE
Supports 8-pin simultaneous power supply (1/2/4/5 positive, 3/6/7/8 negative). Signal lines and idle lines supply power at the same time. Compatibility with IPC is enhanced. Cable loss is reduced. Loading capacity is increased.

Wide Operating Temperature
Supports working at ambient temperatures of-10 °C to +55 °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.

Scene

Suitable for small-scale scenes such as offices, schools, hotels, supermarkets, and hospitals.

Technical Specification

Hardware

Included Power Adapter	Yes
PoE	Yes
Ethernet Port	8
Ethernet Port Speed	10/100 Mbps
Ethernet Port Uplink Speed	10/100/1000 Mbps
Optical Port Uplink Speed	1 Gbps
Description of Function Slots	Port 1-8: 8 × 10/100 Base-T (PoE) Uplink 1: 1 × 10/100/1000 Base-T Uplink 2: 1 × 1000 Base-X
Power Supply	53 VDC, 1.81 A
Operating Temperature	−10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	10%–90% (RH)
Storage Temperature	−40 °C to +70 °C (−40 °F to +158 °F)
Storage Humidity	5%–95% (RH)

Power Consumption	Idling: 3 W Full load: 96 W

Performance

Layer	Unmanaged
Management Type	No
Smart Managed Switch	No
MTBF	105.24 year
Switching Capacity	5.60 Gbps
Packet Forwarding Rate	4.17 Mpps
Packet Buffer Size	4 Mbit
Jumbo Frame	9K Byte
MAC Table Size	8K
Communication Standard	IEEE802.3; IEEE802.3u; IEEE 802.3ab; IEEE802.3x

PoE

PoE Protocol	IEEE 802.3af; IEEE 802.3at; Hi-PoE; IEEE 802.3bt
PoE Power	Port 2-8 ≤30 W, port 1 ≤90 W, total ≤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

General

Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lighting Protection	Common mode: 4 kV Differential mode: 2 kV
Net Weight	0.65 kg (1.43 lb)
Gross Weight	1.4 kg (3.09 lb)
Product Dimensions	240 mm × 105 mm × 28 mm (9.45" × 4.13" × 1.10")
Packaging Dimensions	279 mm × 239 mm × 89 mm (10.98" × 9.41" × 3.50")
Casing Material	Metal
Installation	Desktop mount
Certifications	CE; FCC

Installation