DH-PFS3103-1GT1ET-60

3-Port Unmanaged Hardened Switch with 2 Port PoE

PoE 2.0

* The parameters and datasheets below can only be applied to V2.0 (version 2.0)

- Intelligent PoE
- Hi-PoE 60W (orange port)
- 8-pin assignment PoE power supply
- Long distance PoE
- PoE watchdog
- Wide working temperature

System Overview

DH-PFS3103-1GT1ET-60 is an unmanaged Hardened PoE Switch with 1 × 10/100Mbps PoE Ports. It provides 1 × 10/100 Mbps Ethernet ports , 1 × 1000M 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 60 W. It also supports PoE watchdog to avoid manually maintenance and device restart, which can realize the intelligent management and reduce the cost.

Functions

Intelligent PoE

Provides control over power consumption and offers real-time monitoring to ensure power supplies receive priority with important ports and to prevent malfunctions caused by changes in power consumption. Supports ultra wide power supplies and is able to adapt to IPC power fluctuations.

Hi-PoE 60W (Orange Port)

In addition to the IEEE802.3af and IEEE802.3at standards, orange port also supports a maximum power output of 60W for powering high-power devices.

PoE Watchdog

Adopts the innovative PoE Watchdog. PoE Watchdog can be switched on by dialing or turning on the WEB page switch. It enables the switch to automatically detect port status and restart failed ports to recover connection in case of IPC connection exception. This enables intelligent operation and maintenance management in its truest sense, effectively reducing 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 requirements of wired transmission (bandwidth reduced to 10 Mbps).

8-pin Assignment PoE Power Supply

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.

Scene

The device is applicable for use in different scenarios, including home, office, server farm, and small mall.

Specification

Hardware

Data Transmission Port	Port 3: 1 × RJ-45 10/100M (PoE) Port 2: 1 × RJ-45 10/100/1000M (PoE) Port 1: 1 × SFP 100/1000M (uplink)
Power Supply	48 V- 57 V DC
Operaing Temperature	–30 °C to +65 °C (-22 °F to +149 °F)
Operating Humidity	5% – 95% (RH)
Power Consumption	Idling: 3 W Full load: 60 W

Performance

Capacity	7.6 Gbps
Packet Forwarding Rate	4.17 Mbps
Packet Buffer Memory	1 Mbit
MAC Table Size	8K
Communication Standard	IEEE802.3/IEEE802.3u/IEEE802.3X/IEEE 802.3ab/IEEE 802.3z

PoE

PoE Standard	IEEE802.3af/ IEEE802.3at/ Hi-PoE/ IEEE802.3bt
PoE Power	Port 2-3 ≤ 60 W, total≤ 60 W
Power Consumption Management	Yes
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Long Distance PoE	250 m (820.21 ft) long distance PoE transmission

General

Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Thunder-proof	Common mode: 4 kV Differential mode: 2 kV
Net Weight	0.28 kg (0.62 lb)
Product Dimensions	105 mm × 75 mm × 30 mm (4.13" × 2.95" × 1.18")

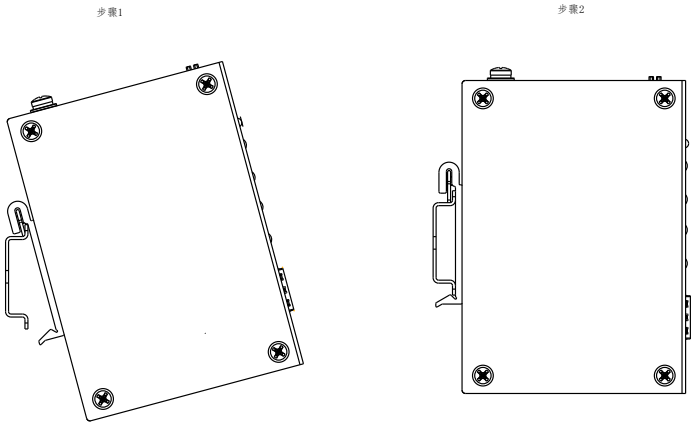
Transmission Performance:

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

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90W		
100	71.3	100
150	62	10
200	51	10
250	40	10
Hi-PoE 60W		
100	53	100
150	50	10
200	47	10
250	37	10
IEEE802.3at 30W		
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 . If there is inconsistency between field application and the table, the field result shall prevail.

Installation



Dimensions (mm[inch])