DH-S3228-24GT-375

28-Port Unmanaged Desktop Gigabit Switch with 24-Port PoE



- 24 × RJ-45 10/100/1000 Mbps (PoE) ports, 2 × RJ-45 10/100/1000 Mbps (uplink) ports and 2 × SFP 1000 Mbps (uplink) ports.
- Meets the requirements of IEEE802.3af, IEEE802.3at, Hi-PoE, and IEEE802.3bt power supply standards.
- PoE watchdog real-time monitors camera statues and automatically reboots faulty network cameras.
- Up to 250 m transmission distance.
- Supports VIP ports, prioritizing transmission for port1 to port8.



System Overview

The PoE Switch is an unmanaged switch with a high-performance switch engine and large cache. It provides smooth transmission of video streams. It has 4 DIP switches and supports PoE watchdog, long distance PoE, VIP port and port isolation. The red port supports the IEEE802.3bt and the Hi-PoE standards and generates up to 90W. It can operate in temperatures ranging-10°C to 55°C. It offers EMC and has protection against overvoltage, overcurrent, static electricity, lightning strikes, pulses and other types of interference.

Functions

BT 90W (Red Port)

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.

Long Distance PoE

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. 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.

Port Isolation

Devices under different ports are prevented from communicating with each other, without need of VLAN being configured. Data is also protected from being leaked from the PoE ports and broadcast storms are isolated, making the network safe and easy to use.

Scene

Suitable for scenes such as houses, factories and offices.

Specification

Hardware Feature

Included Power Adapter	Yes
PoE	Yes
Ethernet Port	24
Ethernet Port Speed	10/100/1000 Mbps
Optical Port Speed	1 Gbps
Ethernet Port Uplink Speed	10/100/1000 Mbps
Optical Port Uplink Speed	1 Gbps
Description of Function Slots	Port 1-24: 24 × RJ-45 10/100/1000 Mbps (PoE); Port 25-26: 2 × RJ-45 10/100/1000 Mbps (Uplink); Port 27-28: 2 × SFP 1000 Mbps (Uplink)
Power Supply	Built-in power supply: 100-240 VAC, 50/60 Hz, 7 A
Operating Temperature	–10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	5%–95% (RH), non-condensing
Storage Temperature	–40 °C to +75 °C (–40 °F to +167 °F)
Storage Humidity	5%–95% (RH), non-condensing
Power Consumption	Idling: ≤12.5 W ; Full load: 400 W

Performance

Management Type	No
Switching Capacity	56 Gbps
Packet Forwarding Rate	41.66 Mpps
Packet Buffer Size	4 Mbit
Jumbo Frame	15K Byte
MAC Table Size	8 K
Communication Standard	IEEE802.3; IEEE802.3u; IEEE802.3x; IEEE802.3ab; IEEE802.3z

Feature

PoE Protocol	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt
PoE Power	Port 1-2 ≤ 90 W, Port 3-24 ≤ 30 W, total ≤ 375 W
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	2.66 kg (5.86 lb)
Gross Weight	3.26 kg (7.19 lb)
Product Dimensions	440 mm × 220 mm × 44 mm (17.32" × 8.66" × 1.73") (L × W × H)
Packaging Dimensions	540 mm × 342 mm × 90 mm (21.26" × 13.46" × 3.54") (L × W × H)
Casing Material	Sheet metal
Installation	Rack mount;Desktop mount
Certifications	CE

Ordering Information

Type	Model	Description
SFP Module	SFP-1310T-20-SMF	155M 1310/1550 nm, 20 km, LC, Single-mode [optional]
	SFP-1310R-20-SMF	155M 1550/1310 nm, 20 km, LC, Single-mode [optional]
	GSFP-1310-20-SMF	1.25G 1310nm, 20km, LC, Single-mode[optional]
	GSFP-1310R-20-SMF	1.25G 1550/1310 nm, 20 km, LC, Single-mode[optional]
	GSFP-1310T-20-SMF	1.25G 1310/1550 nm, 20 km, LC, Single-mode [optional]
	SFP-850-MMF	155M 850 nm, 2km, LC, Multi-mode [optional]
	GSFP-850-MMF	1.25G 850 nm, 500 m, LC, Multi-mode [optional]

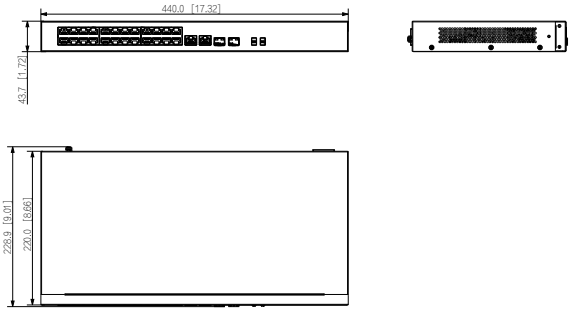
Transmission Performance:

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

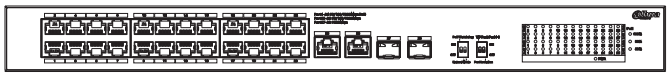
Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90 W		
100	71.3	1000
150	62	10
200	51	10
250	40	10
Hi-PoE 60 W		
100	53	1000
150	50	10
200	47	10
250	37	10
IEEE802.3at 30 W		
100	25.5	1000
150	25.5	10
200	25.5	10
250	25.5	10

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.

Dimensions (mm[inch])



Panels



Rev 002.000 © 2024 Dahua. All rights reserved. Design and specifications are subject to change without notice.
The images, specifications and information mentioned in the document are only for reference, and might differ from the actual product.