

DH-SF4026P-C

24-port 100 Mbps + 2-port Gigabit Managed PoE Switch



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

- Intelligent PoE
- Red port supports 90W IEEE802.3bt
- Web management with friendly interface and easy operation
- 250 m long distance PoE transmission
- PoE watchdog
- Plug and play



System Overview

DH-SF4026P-C is a type of layer-two managed PoE switch. It provides 24 100 Mbps PoE ports and 2 gigabit uplink combo ports. The full load is 240W.

With all metal design, the product has good heat dissipation and low power consumption, which can work in environments from -10°C to $+55^{\circ}\text{C}$.

The product owns powerful network management functions. Network management system supports CLI, iLinksView, web and network management software based on SNMP.

Functions

Uplink Combo Port

Two of the uplink ports support a self-adaptive 10/100/1000 Mbps RJ-45 port or a 1000 Mbps optical port.

Intelligent PoE

The switch features intelligent PoE power consumption management to help keep the power and data flowing, even when the switch experiences a power fault. Intelligent PoE monitors the power consumption of the connected devices, and in the event of large power fluctuations, the switch shuts down one port at a time rather than shutting down all ports. Unlike typical switches that shut down all ports as once, this switch shuts down the highest number port first, then the next highest number until the switch detects the power consumption is below the PoE budget. Green PoE can power on and power off according to time strategy. It can also realize PoE legacy support.

BT 90W

The red port supports the IEEE802.3bt and the Hi-PoE standards. The maximum power consumption is 90W.

PoE Watchdog

The switch employs an innovative PoE watchdog function that automatically detects a network port failure and restarts network communication on the port. This functionality avoids manual maintenance and network restarts, saving time and reducing costs.

Long Distance PoE

Long-distance PoE transmission extends the maximum transmission distance to 250 m (from 100 m), but reduces transmission speed to a maximum of 10 Mbps (from 1000 Mbps).

Various Operating Environments

The switch is designed to operate in severe environments and in temperatures ranging from -10°C to $+55^{\circ}\text{C}$ (14°F to 131°F). The switch includes a professional-grade surge protection circuit that offers 4 kV (common mode) and 2 kV (differential mode) all-port lightning protection. This protection reduces damage to the network from a lightning storm. The switch meets the Class B EMC standard and is suitable for residential, commercial, and light-industrial applications.

Scene

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

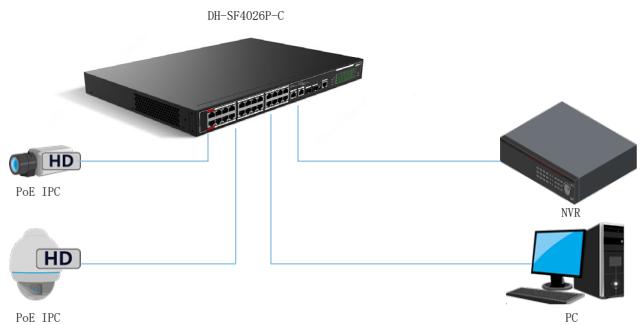
Desktop PoE Switch | DH-SF4026P-C

Technical Specification		Multicast	GMP snooping based on port
Performance		DHCP	DHCP client
Layer	Layer 2	Security	Hardware supports IP and MAC binding based on port, MAC filtering based on port, and IEEE802.1x port authentication
Managed	Yes	QoS	High and low priority WRR 802.1P DSCP Priority based on protocol
Switching Capacity	8.8 Gbps	General	
Packet Forwarding Rate	6.55 Mpps	ESD	Air discharge: 8kV Contact discharge: 6kV
Packet Buffer Memory	2.75 Mbit	Thunder-proof	Common mode: 4kV Differential mode: 2kV
MAC Table Size	4K	Dimensions	440 mm × 300 mm × 44 mm (17.32" × 11.81" × 1.73") (L × W × H)
Communication Standard	IEEE802.3; IEEE802.3u; IEEE802.3x; IEEE 802.3ab; IEEE 802.3z	Packaging Dimensions	Packing box: 528 mm × 412 mm × 112 mm (20.79" × 16.22" × 4.41") (L × W × H) Protective box: 584 mm × 549 mm × 446 mm (22.99" × 21.61" × 17.56") (L × W × H)
Hardware Feature		Transmission Performance:	
Standard Power Supply	Yes	Switch power supply voltage 53V. CAT5E/CAT6. Max. DC resistance < 10 Ω/100 m	
PoE	Yes	Cable(m)	Load Capacity(W)
Ethernet Port	24	IEEE802.3bt 90 W	
Optical Port	2	100	71.3
Ethernet Port Rate	100 Mbps	150	62
Optical Port Rate	1 Gbps	200	51
Number of Bussiness Card Slots	Port 1-24: 24 × RJ-45 10/100Mbps(PoE) Port 25-26: 2 × RJ-45 10/100/1000Mbps(Uplink) Port 25-26: 2 × SFP 1000Mbps(Uplink)(combo)	250	40
Debugging	Console × 1	Hi-PoE 60 W	
Power Supply	100V~240V AC	100	53
Operating Temperature	-10 °C to +55 ° (14 °F to 131 °F)	150	50
Operating Humidity	10% RH~90% RH	200	47
Power Consumption	Idling: 10W Full load: 240W	250	37
PoE		IEEE802.3at 30 W	
PoE Standard	IEEE802.3af/ IEEE802.3at/ Hi-PoE/IEEE802.3bt	100	25.5
PoE Budget	Port 1-2 ≤ 90W, Port 3-24 ≤ 30W, total ≤ 240W	150	25.5
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)	200	25.5
PoE Management	Power consumption management Power on and power off Power down for overload Green PoE Legacy support	250	25.5
Long Distance PoE Transmission	250 m long-distance power supply	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.	
Function			
Spanning Tree Protocol	IEEE 802.1d (STP); 802.1w (RSTP)		
VLAN	IEEE802.1q Standard VLAN		
Flow Control	Support IEEE 802.3x (full duplex flow control) and back pressure flow control (half duplex)		
Link Aggregation	Static; LACP		
Port Mirroring	One-to-one; multiple-to-one		

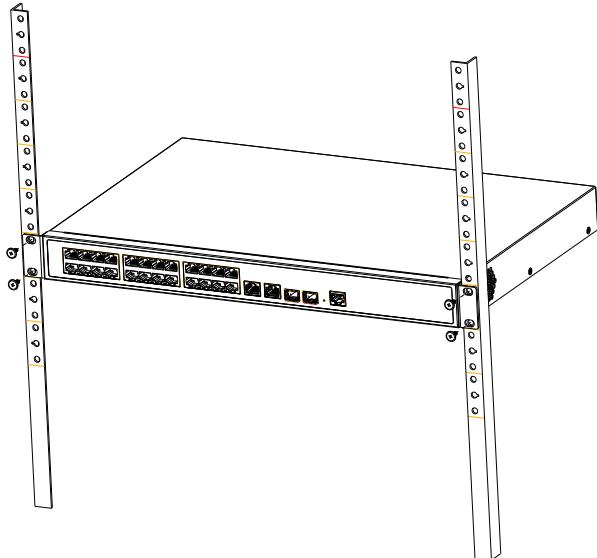
Ordering Information

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

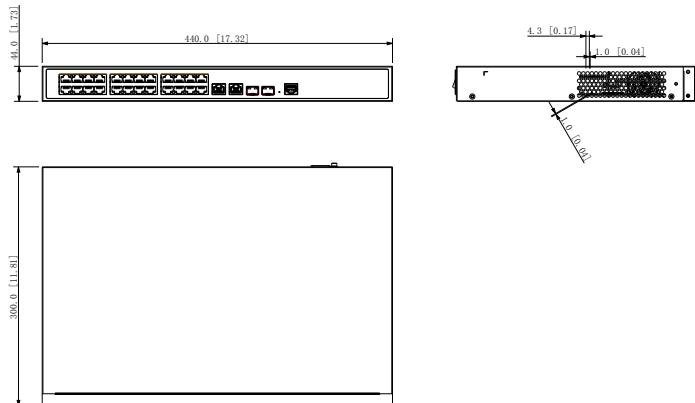
Application



Installation



Dimensions (mm[inch])



Panels

