

DH-SG1005LP

5-Port Economical Gigabit PoE Switch with 4-Port PoE



- Unmanaged gigabit PoE switch.
- Complies with IEEE802.3, IEEE802.3u, IEEE802.3ab, and IEEE802.3x standards.
- A wide operating temperature range and a full metal casing that is fully-enclosed and dust-proof.
- Easy to install, and plug and play.
- Meets the IEEE 802.3af and IEEE802.3at power supply standards.



Series Overview

DH-SG1005LP is an unmanaged All-gigabit Desktop Switch with 4 × 10/100/1000 Mbps PoE Ports. It provides 4 × 10/100/1000 Mbps Ethernet ports and 1 × 10/100/1000 Mbps uplink Ethernet port. The maximum power consumption is 36W. The plug-and-play design enables the device without further configuration. The device offers an economical and reliable option in small and medium application scenarios.

Functions

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.

Plug and Play

Hassle-free, it does not require any configuration. Simply use after it is powered on.

All-Gigabit Ports

Designed with large buffer memory and all-Gigabit ports, enabling high-definition access of large stream.

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	4
Optical Port	0
Ethernet Port Speed	10/100/1000 Mbps
Ethernet Port Uplink Speed	10/100/1000 Mbps
Description of Function Slots	Port 1:1 × RJ-45 10/100/1000Mbps (Uplink) Port 2-5:4 × RJ-45 10/100/1000Mbps(PoE)
Power Supply	Built-in power supply: 100-240 VAC; 50/60 Hz; 0.67 A (maximum)
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	5%~95% (RH), non-condensing
Power Consumption	Idling: 1.8 W Full load: 36 W

Performance

Layer	Layer 2
Management Type	No
Smart Managed Switch	No
Switching Capacity	10 Gbps
Packet Forwarding Rate	7.44 Mpps
Packet Buffer Size	1 Mbit
Jumbo Frame	9,216 Byte
MAC Table Size	2K Byte
Communication Standard	IEEE802.3; IEEE802.3u; IEEE802.3x; IEEE802.3ab

Feature

PoE Protocol	IEEE 802.3af; IEEE 802.3at
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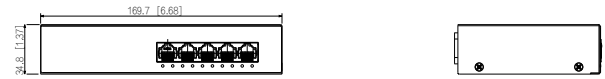
All-giga PoE Switch | DH-SG1005LP

PoE Power	Port 2-5 ≤30 W; Total ≤36 W
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
ePoE	No
Long Distance PoE Transmission	No

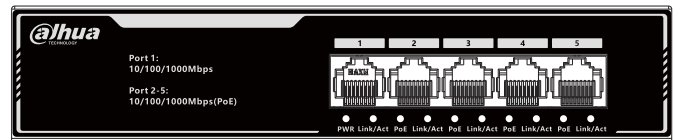
General

Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV
Lighting Protection	Common mode: 2 kV; Differential mode: 0.5 kV
Net Weight	0.464 kg (1.02 lb)
Gross Weight	0.964 kg (2.13 lb)
Product Dimensions	170 mm × 100 mm × 35 mm (6.69" × 3.94" × 1.38") (L × W × H)
Packaging Dimensions	265 mm × 238 mm × 76 mm (10.43" × 9.37" × 2.99") (L × W × H)
Casing Material	Iron
Installation	Desktop mount
Certifications	CE

Dimensions (mm[inch])



Panels



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.