

# DH-SG1010LP

## 10-Port Economical Gigabit PoE Switch with 8-Port PoE



### System Overview

DH-SG1010LP Unmanaged All-gigabit Switch is highly efficient, coming with 8 × 10/100/1000 Mbps PoE ports. It consumes 65 W at most, and has 8 × 10/100/1000 Mbps Ethernet ports and 2 × 10/100/1000 Mbps uplink Ethernet ports. Hassle-free, it does not require any configuration due to its plug-and-play design. The switch is a reliable, cost-effective option for small and medium-sized scenes.

### 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.

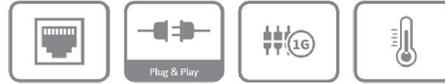
#### Wide Operating Temperature

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.

- 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.



### Technical Specification

#### Hardware Feature

Included Power Adapter	Yes
PoE	Yes
Ethernet Port	8
Ethernet Port Speed	10/100/1000 Mbps
Ethernet Port Uplink Speed	10/100/1000 Mbps
Description of Function Slots	Port 1-2:2 × RJ-45 10/100/1000Mbps(Uplink) Port 3-10:8 × RJ-45 10/100/1000Mbps(PoE)
Power Supply	Built-in power supply: 100–240 VAC; 50/60 Hz; 1.5 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: 65 W

#### Performance

Layer	Layer 2
Management Type	No
Smart Managed Switch	No
Switching Capacity	20 Gbps
Packet Forwarding Rate	14.88 Mpps
Packet Buffer Size	2 Mbit
Jumbo Frame	9,216 Byte
MAC Table Size	2K Byte
Communication Standard	IEEE802.3; IEEE802.3u; IEEE802.3x; IEEE802.3ab

## Features

PoE Protocol	IEEE 802.3af; IEEE 802.3at
PoE Power	Port 3–10 ≤30 W; Total ≤65 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	0.8 kg (1.76 lb)
Gross Weight	1.8 kg (3.97 lb)
Product Dimensions	243 mm × 118 mm × 35 mm (9.57" × 4.65" × 1.36") (L × W × H)
Packaging Dimensions	300 mm × 260 mm × 70 mm (11.81" × 10.24" × 2.76") (L × W × H)
Casing Material	Iron
Installation	Desktop mount
Certifications	CE

## Transmission Performance:

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

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
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### IEEE802.3bt 90 W

100	71.3	100
150	62	10
200	51	10
250	40	10

### Hi-PoE 60 W

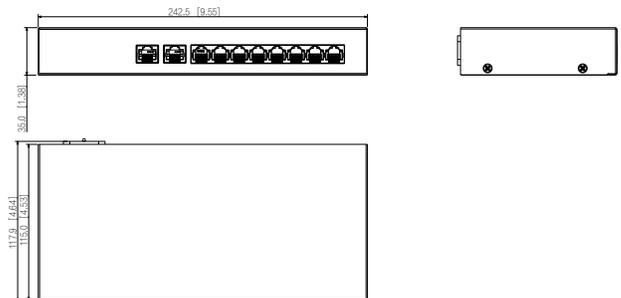
100	53	100
150	50	10
200	47	10
250	37	10

### 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.

## Dimensions (mm [inch])



## Panels

