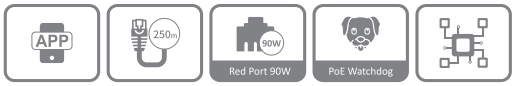
DH-S4100-8GT1GT-96-C

9-Port Cloud Managed Gigabit Switch with 8-Port PoE

PoE 2.0

- Supports visualized management and remote maintenance.
- Supports automatic network topology generation.
- 250 m long-distance power supply.
- 8-pin PoE offers better compatibility and reduces cable loss.
- PoE watchdog monitors the status of terminals in real-time.
- Supports the power management policy.



System Overview

Cloud Managed Switch is a layer-2 commercial switch that has a long-distance PoE function. It can supply power to devices up to 250 meters away. The PoE red port supplies up to 90W. The Switch can be managed through the DoLynk Care app, allowing you access to the network topology diagram function, which can be used to quickly identify issues. The DoLynk Care app is developed based on DoLynk Care Cloud Server. The Switch is applicable for use in a wide variety of scenarios, such as in homes, factories and offices.

Functions

Network topology Visualization

Supports LLDP protocol and automatically generating the network topology to quickly identify issues.

Cloud Management

You can operate and maintain the switch on the app of the mobile terminal, greatly reducing the cost of operation and maintenance.

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).

Red Port 90W

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.

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.

Scene

Suitable for scenarios such as households, offices, and factories.

Technical Specification

Hardware

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 1–8: 8 × RJ–45 10/100/1000 Mbps Uplink 1: 1 × RJ–45 10/100/1000 Mbps
Power Supply	53 VDC, 1.81 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 +70 °C (–40 °F to +158 °F)
Storage Humidity	5%–95% (RH), non-condensing
Power Consumption	Idling: ≤5 W Full: 96 W

Performance

Smart Managed Switch	Yes
MTBF	74.56 years
Switching Capacity	20Gbps
Packet Forwarding Rate	13.39 Mpps
Packet Buffer Size	1.5 Mbit
Jumbo Frame	9,216 Bytes
MAC Table Size	4K
Communication Standard	IEEE 802.3; IEEE 802.3u; IEEE 802.3X; IEEE 802.3ab

Feature

PoE Protocol	IEEE802.3af; IEEE802.3at;IEEE802.3bt; Hi-PoE
PoE Power	Port 1 ≤90 W; Port 2–8 ≤30 W; Total ≤96 W
PoE Power Consumption Management	Yes
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8(V–)
Long Distance PoE Transmission	Yes
IEEE 802.3x Flow Control	Yes
DHCP Function	DHCP Client
Equipment Management	Operation and maintenance management on mobile app; ConfigTool configuration and management

General

Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lighting Protection	Common mode: 4 kV Differential mode: 2 kV
Net Weight	0.5 kg (1.10 lb)
Gross Weight	0.63 kg (1.39 lb)
Product Dimensions	190 mm × 100 mm × 30 mm (7.48" × 3.94" × 1.18")
Packaging Dimensions	265 mm × 238 mm × 76 mm (10.43" × 9.37" × 2.99")
Certifications	CE; FCC

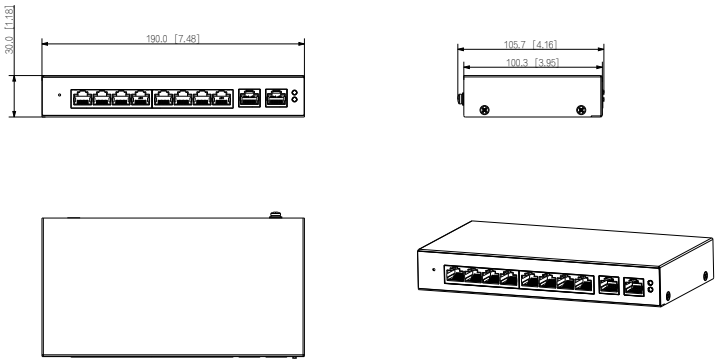
Transmission Performance:

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

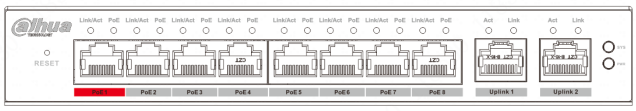
Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90W		
100	71.3	1000
150	62	10
200	51	10
250	40	10
Hi-PoE 60W		
100	53	1000
150	50	10
200	47	10
250	37	10
IEEE802.3at 30W		
100	25.5	1000
150	25.5	10
200	25.5	10
250	25.5	10

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



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