

# DH-S4100-4GT2GT-60-C

6-Port Cloud Managed Gigabit Switch with 4-Port PoE

# PoE 2.0



## System Overview

Cloud Managed Switch is a layer-2 commercial switch that has a longdistance PoE function. It can supply power to devices up to 250 meters away. The PoE orange port supplies up to 60W. 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).

- 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.



#### Hi-PoE 60W (Orange Port)

In addition to the IEEE802.3af and IEEE802.3at standards, orange port also supports a maximum power output of 60W 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.



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### **Technical Specification**

## Hardware

Hardware				
Included Power Adapter	Yes			
РоЕ	Yes			
Ethernet Port	4			
Ethernet Port Speed	10/100/1000 Mbps			
Ethernet Port Uplink Speed	10/100/1000 Mbps			
Description of Function Slots	Port 1–4: 4 × RJ–45 10/100/1000 Mbps Uplink1–2: 2 × RJ–45 10/100/1000 Mbps			
Reset Button	1			
Power Supply	53 VDC, 1.226 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	ldling: ≤5 W Full: 60 W			
Performance				
Smart Managed Switch	Yes			
MTBF	93.24 years			
Switching Capacity	12 Gbps			
Packet Forwarding Rate	8.93 Mpps			
Packet Buffer Size	1 Mbit			
Jumbo Frame	9,216 Bytes			
MAC Table Size	2К			
Communication Standard	IEEE 802.3; IEEE 802.3u; IEEE 802.3X; IEEE 802.3ab			
PoE				
PoE Protocol	IEEE802.3af; IEEE802.3at; Hi-PoE			
PoE Power	Port 1 ≤60 W; Port 2–4 ≤30 W; Total ≤60 W			
PoE Power Consumption Management	Yes			
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8(V–)			
Long Distance PoE Transmission	Yes			
Port				
IEEE 802.3x Flow Control	Yes			
DHCP				
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	0.3 kg (0.66 lb)
Gross Weight	0.41 kg (0.9 lb)
Product Dimensions	130 mm × 85 mm × 26 mm (5.12" × 3.35" × 1.02")
Packaging Dimensions	265 mm × 238 mm × 76 mm (10.43" × 9.37" × 2.99")
Certifications	CE; FCC

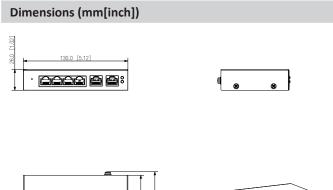
Transmission Performance:							
Switch power supply voltage 53V. CAT5E/CAT6. Max. DC resistance < $10\Omega/100m$							
Cable(m)	Load Capacity(W)	Bandwidth(Mbps)					
IEEE802.3bt 90W							
100	71.3	1000					
150	62	10					
200	51	10					
250	40	10					
Hi-PoE 60W							
100	53	1000					
150	50	10					
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.

Management & Maintenance



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84.8 [3.34] 90.2 [3.56]



## Panels

alhua	O O	Link/Act PoE	Link/Act PoE	Link/Act PoE	Act Link O O	Act Link O O	
O RESET							0,,,,
	PoE 1	PoE 2	PoE 3	PoE 4	Uplink 1	Uplink 2	

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