

# DH-CS4006-4GT-60

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



## PoE 2.0

### Series Overview

Highly intuitive, the Switch can be managed in local networks. With the DoLynk platform, it additionally enables seamless cloud management capabilities. With just one click, you can start both the CCTV and IT system through EasyConfig. The switch performs operation and maintenance using topology visualization on front-end, transmission and back-end storage devices. It can effortlessly turn on and off its managed mode with the simple flip of a switch. Additionally, the switch supports abundant PoE 2.0 features. With full metal design, it has great heat dissipation and can operate in temperatures ranging  $-10^{\circ}\text{C}$  to  $55^{\circ}\text{C}$  ( $+14^{\circ}\text{F}$  to  $+131^{\circ}\text{F}$ ). It also features surge protection against up to 6 kV, resisting interference from static electricity, lightning and pulses. The switch can be used in small and medium-sized businesses such as supermarkets, offices, restaurants, cafés and hotels.

### Functions

#### Cloud Management

Devices can be managed through the DoLynk Care app and performs real-time monitoring of the network. The app also displays the status of devices, triggers alarms for errors in real time and sends notifications.

#### Network Topology Management

Supports the LLDP protocol and is able to generate and display the network topology, so that you can quickly identify issues, and perform operation and maintenance remotely on devices that are in the topology.

#### 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).

- 4 × RJ45 Gigabit PoE ports, 2 × RJ45 Gigabit ports.
- 60 W total PoE budget, 802.3af/at on all PoE ports, additional Hi-PoE on orange port.
- DIP switch to fast turn on/off working mode of Cloud-Managed, PoE Watchdog, Long Distance PoE.
- Wide operating temperature ranging from  $-10^{\circ}\text{C}$  to  $55^{\circ}\text{C}$ .
- Supports VLAN and loop protection.
- WEB-managed and centralized cloud management through the DoLynk App and performs real-time monitoring of the network.
- Easy config to auto detect and set up network and systems.



#### PoE Watchdog

Adopts the innovative 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.

#### Loop Protection

When a loop is detected, the loop alarm will be triggered and the elimination mechanism will activate to prevent broadcast storms from occurring.

#### Managed Mode ON/OFF

Easily switches between managed and unmanaged mode with just the flip of a switch. When in managed mode, you can perform management through the webpage locally or the cloud platform. This allows the device to seamlessly adapt to a variety of scenes.

### Scene

Suitable for scenes such as houses, factories and offices.

# Cloud Managed PoE Switch | DH-CS4006-4GT-60

Technical Specification		Feature		
Basic		Jumbo Frame	9216 Byte	
Layer	Layer 2	MAC Table Size	2K	
Switching Capacity	12 Gbps	Communication Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3az	
Packet Forwarding Rate	8.9 Mpps	VLAN Number	32	
Description of Function Slots	Port 1-4: 4 × RJ-45 10/100/1000 Mbps (PoE) Port 5-6: 2 × RJ-45 10/100/1000 Mbps (uplink)	Feature		
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)	VLAN Function	IEEE 802.1Q VLAN	
Operating Humidity	10%–90% (RH), non-condensing	Port Feature	IEEE 802.3x Flow Control Unknown Unicast Suppression Multicast Storm Control Broadcast Storm Control MAC+Port Binding Loop Prevention	
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)	Mirror	N:1 Mirroring; Local Port Mirroring	
Storage Humidity	5%–95% (RH), non-condensing	Reliability	LLDP	
Power Supply	External power supply: 53 VDC, 0.8 A	DHCP Function	DHCP Client	
Power Consumption	Idle: ≤3 W Full load: 65 W	Security	Port Isolation	
Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV	Equipment Management	Web Management Cloud Management Logs Fault Alarm	
Lightning Protection	Common mode: 6 kV	General		
Net Weight	0.2 kg (0.44 lb)	Packing List	1 × Quick Start Guide 1 × Legal and Regulatory Information 1 × Power Adapter 1 × Power Cord	
Gross Weight	0.76 kg (1.68 lb)			
Product Dimensions	115 mm × 84 mm × 27 mm (4.53" × 3.33" × 1.06") (L × W × H)			
Packaging Dimensions	195 mm × 114 mm × 83 mm (7.68" × 4.49" × 3.27") (L × W × H)			
Casing Material	Sheet metal			
Installation	Desktop mount; wall mount			
PoE		Transmission Performance		
PoE	Yes	Switch power supply voltage 54V. CAT6. Max. DC resistance < 8 Ω/100 m		
PoE Power	Port 2-4≤30 W, port 1≤60 W, total≤60 W	Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
PoE Protocol	IEEE802.3af ; IEEE802.3at ; Hi-PoE	IEEE802.3bt 90W		
PoE Power Consumption Management	PoE power consumption management; PoE power on/off; turns off PoE if overload is detected	100	71.3	1000
PoE Pin Assignment	1, 2, 4, 5 ( V+ ) , 3, 6, 7, 8 ( V- )	150	62	10
Long Distance PoE Transmission	Yes	200	51	10
		250	40	10
Hardware		Hi-PoE 60W		
DIP Switch	Managed Mode: On by default for both local web and cloud management. Off for Unmanaged Mode. PoE Watchdog: Monitors ports 1-4 and auto-restarts the PoE port when there is no traffic for 2 min. (Only works when Managed Mode is Off) Extend Mode: Ports 1-4; transmission distance up to 250 meters at 10 Mbps. (Only works when Managed Mode is Off)	100	46	1000
Reset Button	1	150	42	10
		200	37	10
		250	32	10
Performance		IEEE802.3at 30W		
MTBF	232.62 years	100	25.5	1000
Packet Buffer Size	4 Mbit	150	25.5	10
		200	25.5	10
		250	24	10

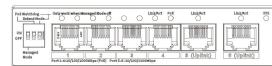
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Note: Data from this table was collected by Dahua test lab and is for reference only. The actual transmission distance may vary due to power consumption of connected devices or the cable type and status.

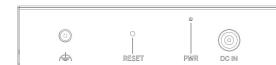
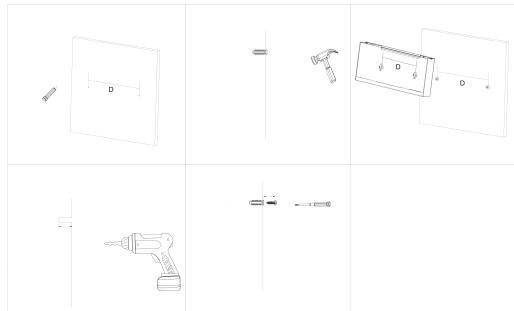
## Panels

### Ordering Information

Type	Model	Description
PoE Switch	DH-CS4006-4GT-60	6-Port Cloud Managed Desktop Gigabit Switch with 4-Port PoE



### Installation



### Dimensions (mm[inch])

