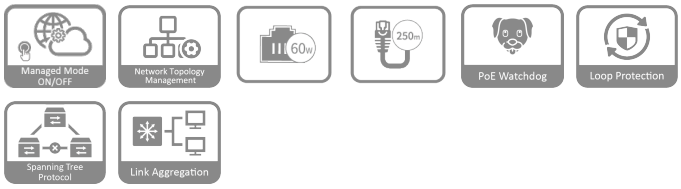
DH-CHS4206-4GT-60

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

- Features managed mode.
- Complies with IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab，IEEE802.3z, IEEE802.3az and IEEE802.3ad standards.
- Meets the requirements of IEEE802.3af, IEEE802.3at and Hi-PoE.
- Supports network topology visualization.
- Supports mobile management by app.
- Supports one-stop maintenance.
- With its full metal design and dust-proof enclosure, it can be used in a wide range of temperatures.
- Supports desktop mount and DIN rail mount.



Functions

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.

Local and Cloud Management

Professional cloud network management with operation and maintenance services greatly reduces the investment cost of enterprise user network management. At the same time, it improves the network operation and maintenance management experience.

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.

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.

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).

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.

Spanning Tree Protocol (STP)

Uses algorithms that calculate the best loop-free path through a Layer 2 network while providing path redundancy to prevent the occurrence of broadcast storms and enhance the stability of operations and services.

Link Aggregation

Combines multiple physical links into one virtual channel for dynamic redundancy and load balancing, ensuring that the connection remains stable.

Scene

Suitable for use both indoors and outdoors such as in corridors, factories, and parks.

Technical Specification

Basic

Layer	Layer 2
Switching Capacity	12 Gbps
Packet Forwarding Rate	8.928 Mpps
Description of Function Slots	Port 1-4: 4 × RJ-45 10/100/1000 Mbps (PoE) Port 5-6: 2 × SFP 100/1000 Mbps (uplink)

Operating Temperature	–30 °C to +65 °C (–22 °F to +149 °F)
Operating Humidity	10%–90% (RH), non-condensing
Protection	IP30; IK06
Storage Temperature	–40 °C to +85 °C (–40 °F to +185 °F)
Storage Humidity	5%–95% (RH), non-condensing
Power Supply	External dual power supply (terminal block and DC): 48–57 VDC, 1.36–1.14 A
Included Power Adapter	Yes
Power Consumption	Idling: 2 W Full load: 65 W
Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lightning Protection	Common mode: 6 kV Differential mode: 2 kV
Net Weight	0.33 kg (0.73 lb)
Gross Weight	0.9 kg (1.98 lb)
Product Dimensions	159.8 mm × 117.4 mm × 30 mm (6.29" × 4.62" × 1.18") (L × W × H)
Packaging Dimensions	267 mm × 239 mm × 77 mm (10.51" × 9.41" × 3.03") (L × W × H)
Casing Material	Iron
Installation	DIN rail mount; desktop mount
Certifications	CE

PoE

PoE	Yes
PoE Power	Port 2-4≤30 W, port 1≤60 W, total≤60 W
PoE Protocol	IEEE 802.3af; IEEE 802.3at; Hi-PoE
PoE Power Consumption Management	PoE power consumption management; PoE power on/off; turns off PoE if overload is detected;
PoE Pin Assignment	1,2,4,5（V+）,3,6,7,8（V-）
Long Distance PoE Transmission	Yes
PoE Watchdog	Yes

Hardware

DIP Switch	Managed mode: Switches between managed and unmanaged mode. Managed mode includes local web management and cloud management. It is on by default. Extend mode: The transmission distance of ports 1–4 can reach up to 250 meters. The negotiation speed can be reduced to 10 Mbps. PoE Watchdog: Monitors the flow of data traffic for ports 1–4. If PoE fails for any of the ports and there is no traffic for 2 minutes, the failed ports will be restarted.
Reset Button	1

Performance

MTBF	1,175,114 hours
Packet Buffer Size	8.4 Mbit
Jumbo Frame	12288 Byte
MAC Table Size	8K
Total Static MAC Addresses	16
Flash	16MByte
RAM	256 KB
Communication Standard	IEEE 802.3; IEEE 802.3u; IEEE 802.3x; IEEE 802.3ab; IEEE 802.3z; IEEE 802.3az; IEEE 802.3ad
Aggregation Group	3
VLAN Number	32
Dynamic ARP	10
Traffic Limit Granularity	1 Mbps

Feature

LLDP	Yes
Ethernet Loop Protection	STP; RSTP
VLAN Function	IEEE 802.1Q VLAN
Link Aggregation	Static Aggregation
Port Feature	IEEE 802.41x Flow Control Unknown Unicast Suppression Multicast Storm Control Broadcast Storm Control MAC+PORT Binding loop prenvention
Mirror	Local Port Mirroring
Reliability	LLDP
DHCP Function	DHCP Client
Security	Port Isolation
Equipment Management	Web Management Cloud Management Logs Fault Alarm

General

Packing List	1 × User Manual 1 × Legal and Regulatory Information 1 × Power Cord 1 × Power Adapter 1 × Terminal Block

Ordering Information

Type	Model	Description
PoE Switch	DH-CHS4206-4GT-60	6-Port Cloud Managed Hardened Gigabit Switch with 4-Port PoE

DH-CHS4206-4GT-60

Type	Model	Description
Accessories (Optional)	GSFP-850-MMF	SFP Optical Module
	GSFP-1310-20-SMF	SFP Optical Module
	GSFP-1310R-20-SMF	SFP Optical Module
	GSFP-1310T-20-SMF	SFP Optical Module
	GSFP-RJ45	RJ45 SFP Module
		Accessory Cable-100mm

Accessories

Optional:

GSFP-850-MMF
SFP Optical Module

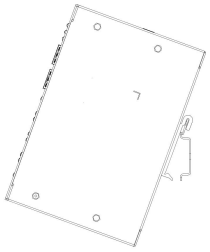
GSFP-1310-20-SMF
SFP Optical Module

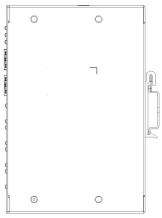
GSFP-1310R-20-SMF
SFP Optical Module

GSFP-1310T-20-SMF
SFP Optical Module

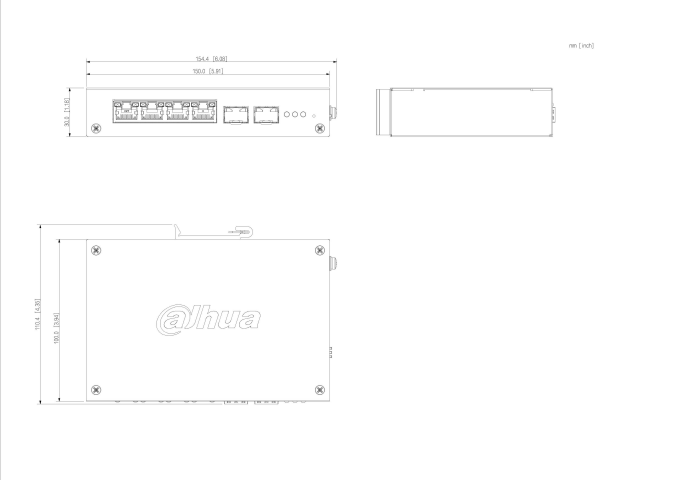
GSFP-RJ45
RJ45 SFP Module

Accessory Cable-100mm

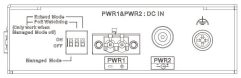




Dimensions (mm[inch])



Panels



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