

DH-CHS4102-1GT

2-Port Cloud Managed Hardened Switch



- Features managed mode.
- Complies with IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab and IEEE802.3z standards.
- 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.

Cloud Management

Devices can be managed through the DoLink 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.

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.

Packet Forwarding Rate	2.976 Mpps
Description of Function Slots	Port 1: 1 × RJ-45 10/100/1000 Mbps; Port 2: 1 × SFP 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): 12 VDC, 1 A
Included Power Adapter	Yes
Power Consumption	Idling: 1.2 W Full load: 2.3 W
Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV
Lightning Protection (Ethernet Port)	Common mode: 6 kV; Differential mode: 2 kV
Net Weight	0.3 kg (0.66 lb)
Gross Weight	0.58 kg (1.28 lb)
Product Dimensions	154.3 mm × 110.4 mm × 30 mm (6.07" × 4.35" × 1.18") (L × W × H)
Packaging Dimensions	299 mm × 164 mm × 72 mm (11.77" × 6.46" × 2.83") (L × W × H)
Casing Material	Iron
Installation	Desktop mount; DIN-rail mount
Certifications	CE
PoE	
PoE	No

Scene

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

Technical Specification

Basic

Layer	Layer 2
Switching Capacity	4 Gbps

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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. Storm control: Limits the speed of all the ports to 5 Mbps.
Reset Button	1

Performance

MTBF	3,638,327.01 hours
Packet Buffer Size	4 Mbit
Jumbo Frame	9216 Byte
MAC Table Size	8K
Total Static MAC Addresses	16
Flash	2 MB
Communication Standard	IEEE 802.3; IEEE 802.3u; IEEE 802.3x; IEEE 802.3ab; IEEE 802.3z
VLAN Number	32
Traffic Limit Granularity	1 Mbps

Feature

LLDP	Yes
VLAN Function	IEEE 802.1Q VLAN
Port Feature	Supports IEEE 802.3x Flow Control; Supports Unknown Unicast Suppression; Supports Multicast Storm Control; Supports Broadcast Storm Control; Supports MAC+Port Binding; Supports Loop Prevention
Mirror	Local Port Mirroring; N:1 Mirroring
Reliability	LLDP
DHCP Function	DHCP Client
Security	Port Isolation
Equipment Management	Web Management Cloud Management Logs Fault Alarm

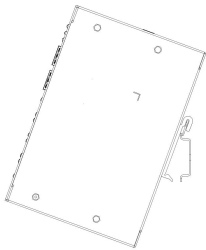
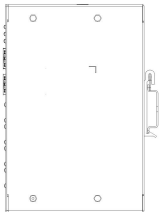
General

Packing List	1 × User Manual; 1 × Legal and Regulatory Information; 1 × Power Adapter; 1 × Terminal Block
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Type	Model	Description
Accessories (Optional)	GSFP-1310R-20-SMF	SFP Optical Module
	GSFP-1310T-20-SMF	SFP Optical Module
	GSFP-RJ45	RJ45 SFP Module
		Accessory Wire-Red and Black-100 mm

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 Wire-Red and Black-100 mm
		

Ordering Information

Type	Model	Description
Ethernet Switch	DH-CHS4102-1GT	2-Port Cloud Managed Hardened Switch
Accessories (Optional)	GSFP-850-MMF	SFP Optical Module
	GSFP-1310-20-SMF	SFP Optical Module

