DH-CS4220-16GT-240

20-Port Cloud Managed Desktop Gigabit Switch with 16-Port PoE



- Meets the requirements of IEEE802.3,IEEE802.3u,IEEE802.3x, IEEE802.3ab,IEEE802.3z standards.
- Meets the requirements of IEEE802.3af, IEEE802.3at, Hi-PoE, and IEEE802.3bt power supply standards.
- Manages PoE power consumption and PoE power on/off. Supports Intelligent PoE.
- A wide operating temperature range and a full metal casing that is fully-enclosed and dust-proof.



Series Overview

Highly intuitive, the Smart Managed Switch can manage local networks. With the DoLynk Care platform, it can also perform cloud management. The switch performs operation and maintenance using topology visualization on front-end, transmission and back-end storage devices that are in the security system and IT system. With its full metal design, the switch has great heat dissipation and can operate in temperatures ranging -10°C to 55°C. It offers EMC and has protection against overvoltage, overcurrent, static electricity, lightning strikes, pulses and other types of interference. For the PoE series Smart Managed Switch, power is supplied up to 250 meters away. The orange port supplies up to 60 W and the red port provides up to 90 W. Also, link aggregation and STP are available on select models to ensure the network remains stable. 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.

BT 90W (Red Port)

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.

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).

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.

PoE Watchdog

Adopts the innovative PoE Watchdog. PoE Watchdog can be switched on by dialing/turning on the WEB page switch. 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.

Scene

Suitable for scenes such as houses, factories and offices.

Technical Specification

Hardware

Included Power Adapter	Yes
PoE	Yes
Ethernet Port	16
Ethernet Port Speed	10/100/1000 Mbps
Optical Port Speed	1000 Mbps
Ethernet Port Uplink Speed	10/100/1000 Mbps
Optical Port Uplink Speed	1 Gbps
Description of Function Slots	Port 1-16: 16 × RJ-45 10/100/1000 Mbps (PoE); Port 17-18: 2 × RJ-45 10/100/1000 Mbps (uplink); Port 19-20: 2 ×SFP 1000 Mbps (uplink)
Reset Button	1
Power Supply	Built-in power supply: 100-240 VDC, 47-63 Hz, max 4 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: ≤8.3 W ; Full load: 265 W

Performance

Layer	Layer 2
Management Type	Yes
Smart Managed Switch	Yes
MTBF	86.94 years
Switching Capacity	40 Gbps
Packet Forwarding Rate	29.76 Mpps
Packet Buffer Size	4 Mbit
Jumbo Frame	15K Byte
MAC Table Size	8K
VLAN Number	32
Communication Standard	IEEE802.3; IEEE802.3u; IEEE802.3x; IEEE802.3ab; IEEE802.3z

Feature

PoE Protocol	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt
PoE Power	Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, total ≤ 240 W
PoE Power Consumption Management	Yes
PoE Pin Assignment	1,2,4,5（V+）,3,6,7,8（V-）
Long Distance PoE Transmission	Yes
Spanning Tree Protocol	STP/RSTP
VLAN Function	Port-based VLAN
IEEE 802.3x Flow Control	Yes
DHCP Function	DHCP Client
Equipment Management	Web management; App management

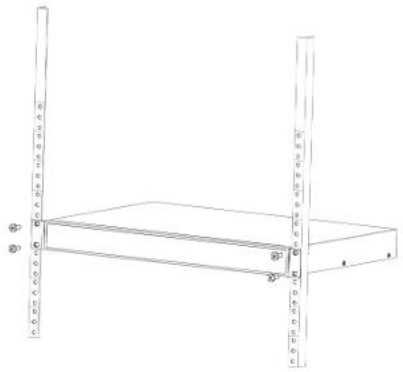
General

Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV
Lighting Protection	Common mode: 4 kV; Differential mode: 2 kV
Net Weight	2.37 kg (5.21 lb)
Gross Weight	3.02 kg (6.64 lb)
Product Dimensions	440 mm × 220 mm × 44 mm (17.32" × 8.66" × 1.73") (L × W × H)
Packaging Dimensions	540 mm × 342 mm × 90 mm (21.26" × 13.46" × 3.54") (L × W × H)
Casing Material	Sheet metal
Installation	Desktop mount; rack mount

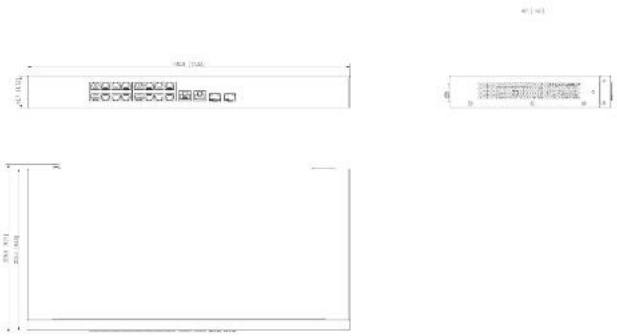
Ordering Information

Type	Part Number	Description
PoE Switch	DH-CS4220-16GT-240	20-Port Cloud Managed Desktop Gigabit Switch with 16-Port PoE

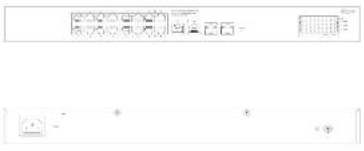
Installation



Dimensions (mm[inch])



Panels



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