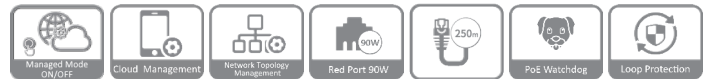


# DH-CS4010-8ET2GT-110

10-Port Cloud Managed Desktop Switch with 8-Port PoE



- 8 × RJ-45 10/100 Mbps PoE ports, 2 × RJ-45 Gigabit ports.
- 110 W total PoE budget, 802.3af/at on all PoE ports, additional 802.3 bt on red ports.
- DIP switch to fast turn on/off working mode of Cloud-Managed, PoE Watchdog, Long Distance PoE.
- Wide operating temperature ranging from -10 °C to 55 °C.
- Supports VLAN and loop protection.
- WEB-managed and centralized cloud management through the DoLink App and performs real-time monitoring of the network.
- Easy config to auto detect and set up network and security systems.



## System Overview

Highly intuitive, the Cloud Managed Switch can manage local networks. With the DoLink 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(+14°F to +131°F). 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. The switch can be used in small and medium-sized businesses such as supermarkets, offices, restaurants, cafés and hotels.

## 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.

### 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).

### 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.

## Scene

Suitable for scenes such as factories and office buildings.

| Specification                 |                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------|
| Basic                         |                                                                                         |
| Layer                         | Layer 2                                                                                 |
| Switching Capacity            | 5.6 Gbps                                                                                |
| Packet Forwarding Rate        | 4.17 Mpps                                                                               |
| Description of Function Slots | Port 1-8: 8 × RJ-45 10/100 Mbps (PoE)<br>Port 9-10: 2 × RJ-45 10/100/1000 Mbps (uplink) |
| Operating Temperature         | −10 °C to +55 °C (+14 °F to +131 °F)                                                    |
| Operating Humidity            | 10%–90% (RH), non-condensing                                                            |
| Storage Temperature           | −40 °C to +70 °C (−40 °F to +158 °F)                                                    |
| Storage Humidity              | 5%–95% (RH), non-condensing                                                             |
| Power Supply                  | External Power Adapter (54 V, 2.22 A)                                                   |
| Power Consumption             | Idling: 5.7 W<br>Full load: 115 W                                                       |
| Statics Protection            | Air discharge: 8 kV<br>Contact discharge: 6 kV                                          |
| Lightning Protection          | Common mode: 6 kV<br>Differential mode: 1 kV                                            |
| Net Weight                    | 0.36 kg (0.79 lb)                                                                       |
| Gross Weight                  | 1.09 kg (2.03 lb)                                                                       |
| Product Dimensions            | 184.6 mm × 103.3 mm × 27 mm (7.27" × 4.07" × 1.06")<br>(L × W × H)                      |
| Packaging Dimensions          | 252 mm × 137 mm × 113 mm (9.92" × 5.39" × 4.45") (L × W × H)                            |
| Casing Material               | Sheet metal                                                                             |
| Installation                  | Desktop mount; wall mount                                                               |
| Certifications                | CE                                                                                      |

|                                  |                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------|
| PoE                              |                                                                                           |
| PoE                              | Yes                                                                                       |
| PoE Power                        | Port 3-8≤30 W, port 1-2≤90 W, total≤110 W                                                 |
| PoE Protocol                     | IEEE 802.3af; IEEE 802.3at; Hi-PoE; IEEE 802.3bt                                          |
| PoE Power Consumption Management | PoE power consumption management; PoE power on/off; turns off PoE if overload is detected |
| PoE Pin Assignment               | Port 1-2: 1,2,4,5 (V+),3,6,7,8 (V-)<br>Port 3-8: 1,2, (V+),3,6, (V-)                      |
| Long Distance PoE Transmission   | Yes                                                                                       |

|              |                                                                                                                                                                                                                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware     |                                                                                                                                                                                                                                                                                                                                                               |
| DIP Switch   | Managed Mode: On by default for both local web and cloud management. Off for Unmanaged Mode.<br>PoE Watchdog: Monitors ports 1-8 and auto-restarts the PoE port when there is no traffic for 2 min. (Only works when Managed Mode is Off)<br>Extend Mode: Ports 1-8; transmission distance up to 250 meters at 10 Mbps. (Only works when Managed Mode is Off) |
| Reset Button | 1                                                                                                                                                                                                                                                                                                                                                             |

|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| Performance            |                                                                  |
| MTBF                   | 3,359,638 hours                                                  |
| Packet Buffer Size     | 4 Mbit                                                           |
| Jumbo Frame            | 9216 Byte                                                        |
| MAC Table Size         | 8K                                                               |
| Communication Standard | IEEE 802.3; IEEE 802.3u; IEEE 802.3x; IEEE 802.3ab; IEEE 802.3az |
| VLAN Number            | 32                                                               |

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

|              |                                                                                                |
|--------------|------------------------------------------------------------------------------------------------|
| General      |                                                                                                |
| Packing List | 1 × User Manual<br>1 × Legal and Regulatory Information<br>1 × Power Cord<br>1 × Power Adapter |

| Transmission Performance:                                                                                                                                                                                       |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Switch power supply voltage 54V.<br>CAT6. Max. DC resistance < 8 Ω/100 m                                                                                                                                        |                  |
| Cable(m)                                                                                                                                                                                                        | Load Capacity(W) |
| IEEE802.3bt 90 W                                                                                                                                                                                                |                  |
| 100                                                                                                                                                                                                             | 71.3             |
| 150                                                                                                                                                                                                             | 62               |
| 200                                                                                                                                                                                                             | 51               |
| 250                                                                                                                                                                                                             | 40               |
| Hi-PoE 60 W                                                                                                                                                                                                     |                  |
| 100                                                                                                                                                                                                             | 46               |
| 150                                                                                                                                                                                                             | 42               |
| 200                                                                                                                                                                                                             | 37               |
| 250                                                                                                                                                                                                             | 32               |
| IEEE802.3at 30 W                                                                                                                                                                                                |                  |
| 100                                                                                                                                                                                                             | 25.5             |
| 150                                                                                                                                                                                                             | 25.5             |
| 200                                                                                                                                                                                                             | 25.5             |
| 250                                                                                                                                                                                                             | 24               |
| Note: Data from this table was collected by Dahua test lab and is for reference only .<br>The actual transmission distance may vary due to power consumption of connected devices or the cable type and status. |                  |

