

# DH-S5436-24GF8GT4XF

36-Port L2+ Managed Gigabit Switch with 4-Port 10G SFP+



## System Overview

The device is a 10 Gbps uplink switch with a high-performance switch engine and large cache. It has great heat dissipation and can operate in temperatures ranging -20°C to 55°C. The switch can be remotely managed through the DoLink Care cloud platform, an easy to use webpage, and SNMP. It also supports link aggregation and STP, which ensure the network remains highly stable. It is widely used in digital transformation and network construction by small and medium-sized enterprises, chain businesses, branches, government structures, schools, hotels, and more.

## Functions

### Wide Operating Temperature

Supports working at ambient temperatures of -20 °C to +55 °C, and has built-in professional lightning-proof circuits that effectively reduce the impact of thunderstorms on network systems and improve system robustness, allowing the device to adapt to harsh environments.

### Redundant Power Supply

Redundant power supply ensures that the device is still powered when one power port malfunctions, which improves device reliability.

- All-gigabit port design (10 gigabit uplink port).
- Supports STP, RSTP and ERPS.
- IEEE802.1Q-based VLAN configuration.
- Static link aggregation and static LACP.
- Easy to manage the device through the webpage.
- EMC compliant, the device is lightning proof.
- Desktop mount and rack mount.



### Link Aggregation

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

### 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.

### 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.

# Ethernet Switch | DH-S5436-24GF8GT4XF

## Technical Specification

### Basic

|                               |   |
|-------------------------------|---|
| Layer                         | Layer 2   |
| Switching Capacity            | 144 Gbps  |
| Packet Forwarding Rate        | 107.136 Mpps  |
| Description of Function Slots | Port 1-24: 24 × SFP 100/1000 Mbps<br>Port 25-32: 8 × RJ-45 10/100/1000 Mbps<br>Port 33-36: 4 × SFP+ 1/10 Gbps |
| Operating Temperature         | -20 °C to +55 °C (-4 °F to +131 °F)   |
| Operating Humidity            | 5%–95% (RH), non-condensing   |
| Storage Humidity              | 5%–95% (RH), non-condensing   |
| Power Supply                  | 2 built-in power supplies: 100–240 VAC, 50/60 Hz, 2.5 A Max   |
| Power Consumption             | Idling load: 23.8 W<br>Full load: ≤ 100 W   |
| Statics Protection            | Air discharge: 8 kV;<br>Contact discharge: 6 kV   |
| Lightning Protection          | Common mode: 4 kV;<br>Differential mode: 2 kV   |
| Net Weight                    | 3.8 kg (8.38 lb)  |
| Gross Weight                  | 5.3 kg (11.68 lb)   |
| Product Dimensions            | 440 mm × 308.3 mm × 44.0 mm (17.32" × 12.14" × 1.73") (L × W × H)   |
| Packaging Dimensions          | 528 mm × 412 mm × 112 mm (20.79" × 16.22" × 4.41") (L × W × H)  |
| Installation                  | Rack mount; desktop mount   |

### Hardware

|              |                  |
|--------------|------------------|
| Debugging    | 1 × Console port |
| Reset Button | 1                |

### Performance

|                        |  |
|------------------------|--|
| Packet Buffer Size     | 16 Mbit  |
| Jumbo Frame            | 12288 Byte   |
| MAC Table Size         | 32K  |
| Communication Standard | IEEE 802.3; IEEE 802.3u; IEEE 802.3x; IEEE 802.3ab;<br>IEEE 802.3z; IEEE 802.3ad |
| VLAN Number            | 4094   |
| VLAN Interface         | 10   |

### Feature

|                          |   |
|--------------------------|---|
| Ethernet Loop Protection | STP/RSTP/ERPS   |
| VLAN Function            | Port-based VLAN   |
| Link Aggregation         | LACP<br>Static link aggregation<br>Dynamic link aggregation   |
| Port Feature             | IEEE 802.3x flow control<br>Unknown unicast suppression<br>Multicast storm control<br>Broadcast storm control |

|                          |   |
|--------------------------|---|
| IEEE 802.3x Flow Control | Yes   |
| Multicast                | IGMP Snooping   |
| Reliability              | LLDP  |
| Routing                  | Static routing  |
| DHCP Function            | DHCP Client   |
| Security                 | 802.1X<br>Port isolation<br>Radius<br>HTTPS                                     |
| QoS/ACL                  | SP/WRR queue scheduling<br>802.1p and DSCP priority mapping<br>Port speed limit |
| Equipment Management     | Cloud management<br>Web<br>SNMP V1/V2C/V3<br>NTP<br>Logs<br>Ping                |

### General

|              |  |
|--------------|--|
| Packing List | 1 × User Manual;<br>1 × Legal and Regulatory Information<br>1 × Warranty Card<br>1 × List of Hazardous Substances<br>1 × Power Cord<br>1 × Rack-mounting Kit |
|--------------|--|

## Ordering Information

| Type       | Model             | Description                              |
|------------|-------------------|--|
| SFP module | GSFP-RJ45         | Gigabit RJ45 SFP Module                  |
|            | GSFP-1310T-20-SMF | Gigabit 1310/1550nm,20km,LC, Single-mode |
|            | GSFP-1310R-20-SMF | Gigabit 1550/1310nm,20km,LC, Single-mode |
|            | GSFP-1310-20-SMF  | Gigabit 1310nm,20km,LC, Single-mode      |
|            | GSFP-850-MMF      | Gigabit 850nm,550m,LC, Multi-mode        |
|            | TSFP-1270T-20-SMF | 10G 1270/1330nm,20km,LC, Single-mode     |
|            | TSFP-1270R-20-SMF | 10G 1330/1270nm,20km,LC, Single-mode     |
|            | TSFP-1310-20-SMF  | 10G 1310nm,20km,LC, Single-mode          |
|            | TSFP-1550-40-SMF  | 10G 1550nm,40km,LC, Single-mode          |
|            | TSFP-850-MMF      | 10G 850nm,300m,LC, Multi-mode            |

