

DH-AS4300-48GT4GF

48 Ports Managed Switch



- Powerful L2 and L2+ Features.
- · Green and Fan-less Design.
- Intelligent Resilient Framework 2 (IRF2).

System Overview

Dahua AS4300 Switch Series are Gigabit Ethernet switches specially made for small to medium-sized businesses. These high performance switches provide wide access for devices, and offers security control and enhanced network manageability. It is ideal for use in internet cafes, hotels, schools and other similar scenarios.

Functions

Intelligent Resilient Framework 2 (IRF2)

IRF2 is the stacking technology used in conjunction with the spare ports on the panel. It offers the flexibility to stack over longer distances, such as hundreds of meters across buildings or several kilometers between sites, using long-range transceivers.

Green and Fan-less Design

With its energy saving design, power consumption and fault points are greatly reduced. It also has a fan-less hardware design and operates silently, helping to produce a comfortable environment.

Powerful L2 and L2+ Features

This series supports a large range of L2 features such as 802.1Q VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol and the 802.3x Flow Control function. It also supports L2+ feature-static routing, which is a simple way to segment the network with internal routing through the switch. This helps the system manage network traffic more efficiently.

Scene

It can meet the needs of digital transformation and security transmission, and is ideal for small and medium-sized enterprises, chain businesses, branches, the government, schools and hotels.

Technical Specification

| Hardware | |
|-------------------------|--|
| Included Device Adentes | |

| Included Power Adapter | Yes | |
|-------------------------------|--|--|
| PoE | No | |
| Ethernet Port | 48 × RJ-45 10/100/1000 Mbps | |
| Optical Port | 4 × SFP 100 Mbps/1 Gbps | |
| Ethernet Port Speed | 10/100/1000 Mbps | |
| Optical Port Uplink Speed | 100 Mbps/1 Gbps | |
| Description of Function Slots | Port 1-48:48 × RJ-45 10/100/1000 Mbps; Port 49-52:4 × SFP 100 Mbps/1 Gbps | |
| Management port | 1 × Console port | |
| Power Supply | 100–240 VAC, 50/60 Hz, 2.0 A | |
| Operating Temperature | −5 °C to +45 °C (+23 °F to +113 °F) | |
| Operating Humidity | 5%-95% (RH) | |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) | |
| Storage Humidity | 5%-95% (RH) | |
| Fanless Design | Yes | |
| Power Consumption | Idling: 18 W Full load: 41 W | |

Performance

| Layer | L2+ | |
|------------------------|--------------|--|
| Management Type | Yes | |
| MTBF | 115.68 years | |
| Switching Capacity | 104 Gbps | |
| Packet Forwarding Rate | 77.4 Mpps | |
| Packet Buffer Size | 24 Mbit | |
| Jumbo Frame | 10K Byte | |

AS4300 Series | DH-AS4300-48GT4GF

| MAC Table Size | 8K |
|------------------------|---|
| VLAN Number | 4K |
| Dynamic ARP | 128 |
| Communication Standard | 802.3x; 802.3ad; 802.1p; 802.1q; 802.1x; 802.1d; 802.1w; 802.1s |
| Fastonia | |

| Features | , |
|----------|---|
|----------|---|

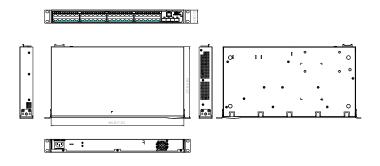
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|--------------------------|--|--|
| Ring Network Protocol | STP/RSTP/MSTP PVST | |
| Routing | Static routing IPV6 unitcast routing | |
| VLAN Function | Port-based VLAN MAC-based VLAN | |
| Link Aggregation | Static link aggregation Dynamic link aggregation | |
| IEEE 802.3x Flow Control | Yes | |
| Multicast | IGMP Snooping PIM Snooping | |
| Reliability | LLDP | |
| ARP | ARP, Gratuitous ARP Dynamic ARP Inspection ARP anti-attack ARP source suppression ARP Detection | |
| DHCP Function | DHCP Client DHCP Relay | |
| Security | 802.1X, centralized MAC address authentication Port isolation Dynamic ARP detection, preventing man-in-the-middle attack and ARP denial-of-service IP/Port/MAC binding | |
| QoS/ACL | Packet filtering (Layer 2 to Layer 4) Source MAC-, destination MAC-, Source IP (IPv4/IPv6)-, destination IP (IPv4/IPv6)-, TCP/UDP port number-, VLAN-based traffic classification Time-based ACL Two-way ACL policy (ingress and egress) | |
| IPv6 | ND IPv6-Ping IPv6-Tracert IPv6-Telnet | |
| Equipment Management | Load update files and update using FTP Configure through CLI, Telnet, and Console port SNMPv1/v2/v3 NTP Ping and Tracert LLDP Port loopback detection | |
| | | |

General

| Statics Protection | Air discharge: 8 kV Contact discharge: 6 kV |
|---------------------|--|
| Lighting Protection | Common mode: 1 kV Differential mode: 0.5 kV |

| Net Weight | 3.5 kg (7.72 lb) | |
|----------------------|---|--|
| Gross Weight | 4.5 kg (9.92 lb) | |
| Product Dimensions | 440 mm × 230 mm × 44 mm (17.32" × 9.06" × 1.73") (L × W × H) | |
| Packaging Dimensions | 542mm × 366mm × 106mm (21.34" × 14.40" × 4.17") (L × W × H) | |
| Casing Material | Sheet metal | |
| Installation | Desktop mount; rack mount | |
| Certifications | CE; FCC | |

Dimensions (mm[inch])



| Ordering Information | | |
|----------------------|-------------------|--|
| | GSFP-1310T-20-SMF | 1.25G 1310/1550nm, 20km, LC, Single-mode |
| SEP module | GSFP-1310R-20-SMF | 1.25G 1550/1310nm, 20km, LC, Single-mode |
| SFP module | GSFP-1310-20-SMF | 1.25G 1310nm,20km,LC, Single-mode |
| | GSFP-850-MMF | 1.25G 850nm,550m,LC, Multi-mode |