DH-AS4300-24GT4GF

- 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 Power Adapter	Yes
PoE	No
Ethernet Port	24 × 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 1-24:24 × RJ-45 10/100/1000 Mbps; Port 25-28:4 × SFP 100 Mbps/1 Gbps
Management port	1 × Console port
Power Supply	100–240 VAC, 50/60 Hz, 1.0 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: 9 W Full load: 23 W

Performance

Layer	L2+
Management Type	Yes
MTBF	150.86 years
Switching Capacity	56 Gbps
Packet Forwarding Rate	41.7 Mpps

Packet Buffer Size	12 Mbit
Jumbo Frame	10K Byte
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

Features

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	2.5 kg (5.51 lb)
Gross Weight	3.2 kg (7.05 lb)
Product Dimensions	440 mm × 160 mm × 44 mm (17.32" × 6.30" × 1.73") (L × W × H)
Packaging Dimensions	540 mm × 280 mm × 86 mm (21.26" × 11.02" × 3.39") (L × W × H)
Casing Material	Sheet metal
Installation	Desktop mount; rack mount
Certifications	CE; FCC

Dimensions (mm[inch])