DH-AS5500-8MGT2XF-370

L3 Managed 8 10G Yes Switch

- Easy to manage and maintain, it is highly reliable and performs very well.
- 10 Gbps uplink and all-gigabit ports.
- Various routing chracteristics.
- IRF2 intelligent resilient architecture.
- Management through the web client and CLI.
- Supports functions such as port aggregation, Layer-2 VLAN, ACL, and QoS.

System Overview

Dahua AS5500 Switch Series are high performance Gigabit Ethernet switches with full L2 and L2+ features, enterprise-level Quality of Service (QoS), enhanced security control and a bundle of ISP features.

Functions

10G Uplink
Suitable for aggregation scenarios, guaranteeing smooth transmission of large concurrent data.

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.

Powerful L2 and L3 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 multiple L3 features, including OSPF and RIP, addressing enterprise access and aggregation service demands.

Scene

Suitable for scenarios such as SMEs, chain businesses, branches, government structures, schools, hotels and other industries.

Specification

Hardware

PoE	Yes
Ethernet Port	8
Ethernet Port Speed	100 Mbps;2.5 Gbps;1 Gbps
Optical Port Speed	1/10 Gbps
Description of Function Slots	Port 1-8: 8 × 1000/2500 Base-T (UPoE); Port 9-10: 2 × 1 G/10 G Base-X
Debugging	1 × Console 1 × Micro USB
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)

Performance

Management Type	Yes
MTBF	52.27 years
Switching Capacity	128 Gbps
Packet Forwarding Rate	95.232 Mpps
Packet Buffer Size	12 Mbit
VLAN Number	4K
IPv4 Routes	1K
Dynamic ARP	1K

Features

Spanning Tree Protocol	STP/RSTP/MSTP PVST RRPP

VLAN Function	Port-based VLAN MAC-based VLAN Protocol-based VLAN Subnet-based VLAN QinQ, flexible QinQ VLAN Mapping Voice VLAN MVRP
Link Aggregation	Statc link aggregaton Dynamic link aggregaton
IEEE 802.3x Flow Control	Yes
Multicast	IGMP Snooping v1/v2/v3 PIM Snooping Multcast VLAN IGMP v1/v2/v3 PIM-DM, PIM-SM, PIM-SSM MSDP
Reliability	VRRP LLDP
ARP	Dynamic ARP Inspecton ARP ant-atack ARP source suppression
Routing	Static routing IPV6 policied routing RIPv1/v2/ng OSPFv2/v3 IS-ISv4/v6 BGP4/4+ ECMP Policy based routing
DHCP Function	DHCP Client DHCP Snooping DHCP Relay DHCP Server DHCP relay option82 DHCP Snooping Trust DHCP Snooping Entry Backup
Security	HWTACACS Port Isolation 802.1X HTTPS
QoS/ACL	WRR SP+WRR WDRR SP+WDRR Two-way ACL policy (ingress and egress)
IPv6	ND ND snooping ND proxy ND detection SAVI IPV6 PORTAL PMTU DNS CLINET FOR IPV6 SNMP FOR IPV6 BGP4+ FOR IPV6 IPv6 Policy-based Routing MLD SNOOPING IPv6 PIM DM IPv6 PIM SM IPv6 PIM SSM VRRP V3 DHCP V6 snooping DHCP V6 client DHCP V6 relay DHCP V6 server IPv6 Port Binding BFD v6
Equipment Management	CLI Configuration TELNET SNMP v1 SNMP v3 FTP NTP

General

Product Dimensions	300 mm × 260 mm × 43.6 mm (11.81" × 10.24" × 1.72") (L × W × H)
Net Weight	3.5 kg (7.7 lb)

Dimensions (mm[inch])