alhua
TECHNOLOGY

DH-AS5500-24MGT4XF-600

L3 Managed 24 5G 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	24
Ethernet Port Speed	100 Mbps;2.5 Gbps;1 Gbps
Optical Port Speed	1/10 Gbps
Description of Function Slots	Port 1-24: 24 × 100/1000/2500/5000 Base-T (UPoE); Port 25-28: 4 × 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)
Power Consumption	Min.: Single AC: 45 W Single DC: 46 W Dual AC: 56 W Dual DC: 67 W Max.: Single AC: 1139 W (PoE: 900 W) Single DC: 614 W (PoE: 410 W) Dual AC: 2428 W (PoE: 2040 W) Dual DC: 1219 W (PoE: 960 W)

Performance

MTBF	83.6
Switching Capacity	400 Gbps
Packet Forwarding Rate	240 Mpps
Packet Buffer Size	3 Mbit
VLAN Number	4K
IPv4 Routes	16k
Dynamic ARP	Max.: 16K

Features

Spanning Tree Protocol	STP/RSTP/MSTP PVST RRPP
VLAN Function	Port-based VLAN MAC-based VLAN IPv4 Subnet-based VLAN Protocol-based VLAN Voice VLAN SuperVLAN Guest VLAN QinQ, flexible QinQ MVRP
Link Aggregation	Statc link aggregaton Dynamic link aggregaton
IEEE 802.3x Flow Control	Yes
Multicast	IGMP Snooping IGMP PROXY PIM Snooping IGMP V3 PIM-SM PIM-SSM PIM-DM 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; 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) TCAM

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

Installation	Rack mount
Net Weight	<8.7 kg (19.2 lb)
Product Dimensions	440 mm × 460 mm × 43.6 mm (17.32" × 18.11" × 1.72")

Dimensions (mm[inch])