

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 characteristics.
- 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

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|-------------------------------|--|
| 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

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|------------------------|-----------|
| 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

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|--------------------------|--|
| 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 | Static link aggregation Dynamic link aggregation |
| 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 Inspection ARP anti-attack ARP source suppression |
| Routing | Static routing IPv6 policy-based 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 |

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|----------------------|--|
| 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

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|--------------------|--|
| 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])

