

48-Port 25G SFP28 and 8-Port 100G QSFP28 Data Center Switch



Product Highlights

- Support 48*25Gbps SFP28 ports+ 8*100Gbps QSFP28 ports
- 1*RJ45 console port, 1*external management RJ45 port, 1*USB port
- 4.0T Switching Bandwidth and 2000Mpps Packet Forward Rate
- Support 1+1 redundant power supply and 2+2 intelligent fan
- Product Dimensions: 440*420*44mm
- Maximum power consumption ≤350W
- Working temperature: 0~40°C
- Operation Humidity 10%~90%, non-condensing
- Power supply characteristics: DC: -40V~-57V, rated voltage -48V; AC: 100V~240V, rated voltage 110V/220V; HVDC: 190~400V, rated voltage 240V/336V



Hardware Features

Description	Specification
Model	HGM4808QS-AT
Interface	48*25Gbps SFP28 ports 8*100Gbps QSFP28 ports 1*Console port, 1*external management RJ45 port 1*USB port
Port Standard	IEEE802.3 (Ethernet) IEEE 802.3ae (10G Ethernet) IEEE 802.3ba (40/100G Ethernet) IEEE802.3x (Flow Control) IEEE 802.3az (Energy Efficient Ethernet) IEEE 802.3ad (link Aggregation) IEEE 802.1AB LLDP/LLDP-MED (Link Layer Discovery Protocol) IEEE 802.1D Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) IEEE 802.1Q (Virtual VLAN) IEEE 802.1p (VLAN Label) IEEE 802.1X (User authentication)
Switching Bandwidth	4.0Tbps
Packet Forwarding Rate	2000Mpps
Memory	8Gb
Flash Memory	512Mb
Packet Buffer	32Mbit
MAC Address Table	96K
Jumbo Frame	9216Kbytes
VLAN	4K VLAN
Transmission Method	Store and Forward
Power Supply	Maximum 350W, 1+1 Redundant Power Source



Description	Specification
Structure Information	Product Dimensions: 440*420*44mm Packaging Dimensions: 585*635*70mm Product Net Weight: 6.88KG
Packing Information	Packing quantity: 5PCS
Package Contents	Switch 1pcs, Power Cord 1pcs, Manual 1pcs, Certificate of Inspection 1pcs, Rack-mounting kit 1 Pair
Fan Quantity	2+2 intelligent fan
Installation	Desktop, Rack-mounting
Certification	CE, FCC, RoHS
Operating Temperature	0~40°C
Storage Temperature	-40~70°C
Operation Humidity	10%~90%, <u>non-condensing</u>
Storage Humidity	5%~95%, <u>non-condensing</u>
ID	Off: The ID indicator is disabled and is in the default state On: This indicator is used for on-site location. O&M personnel remotely control the ID indicator to turn on or off
MST	Off: The device is not the master stack device On: The device is the main stacking device or the device that is not stacked
PWR	On: Powered on Off: Powered off
RAN	On: The device is powered on but the software is not running Flashing slowly: The device is running normally
Port Indicator LED	Off: Link blocked Flashing: Data transmitting

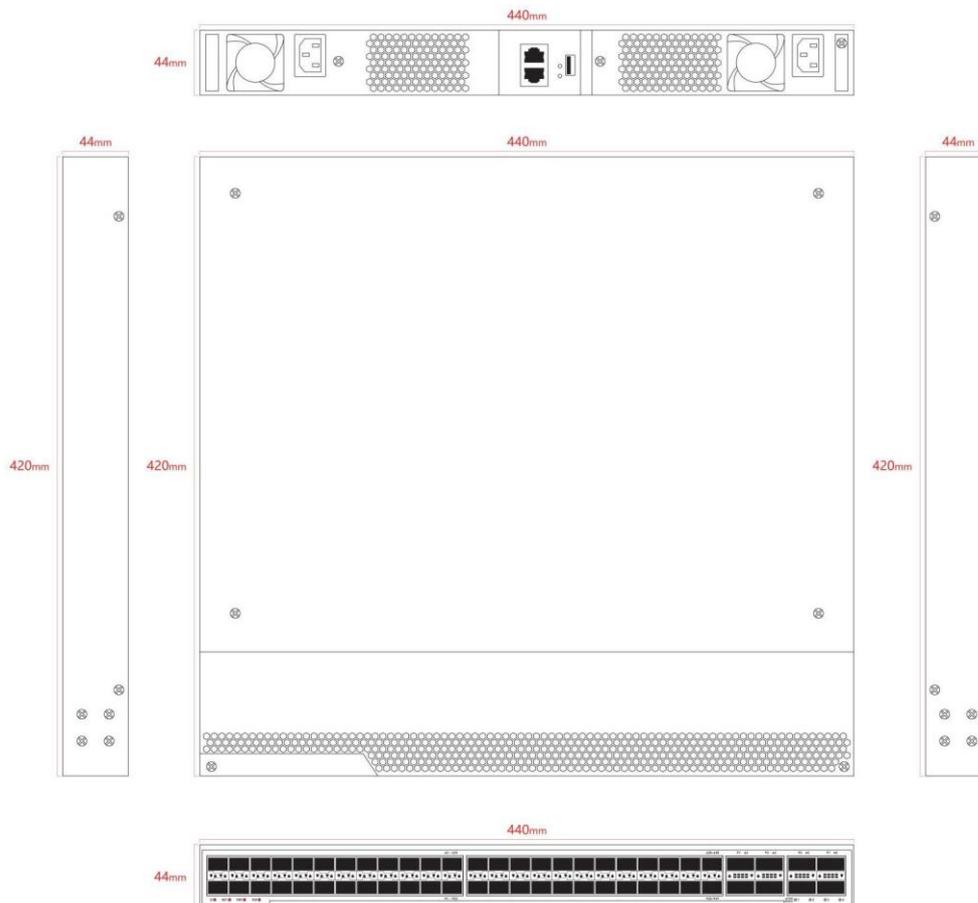
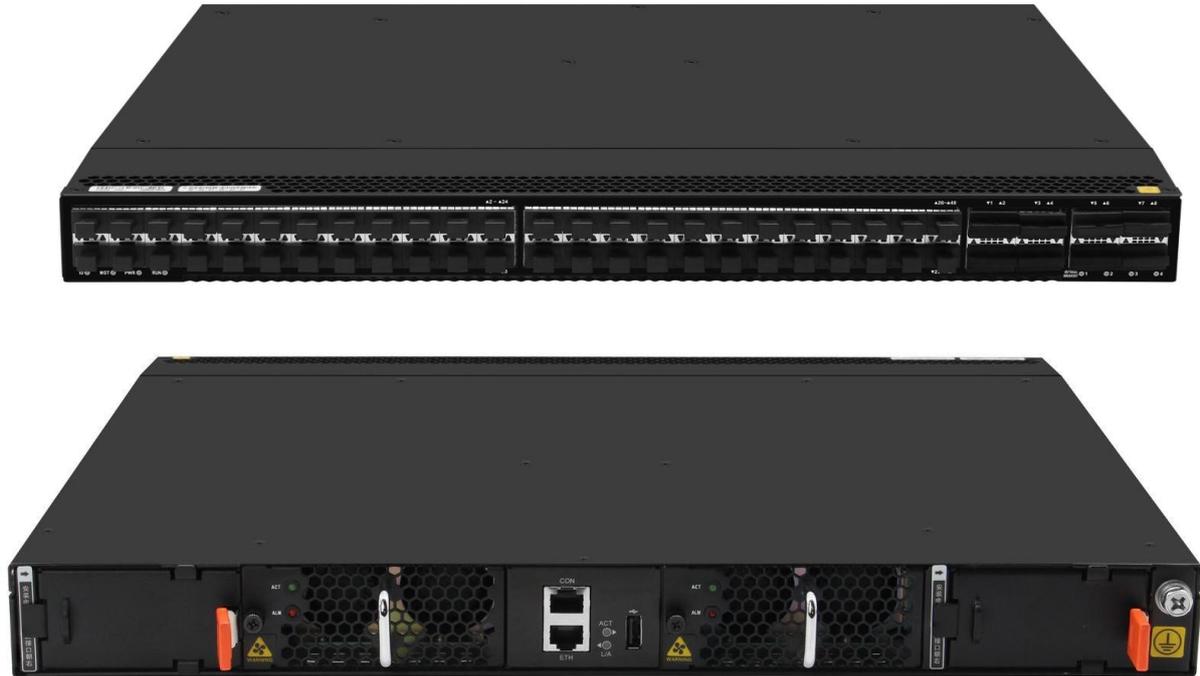


Description	Specification
VLAN type	Support 4K VLANs; 1: 1 and N: 1 802.1p-based VLAN Mapping; VLAN based on MAC, protocol and IP; Guest VLAN, Voice VLAN; QoS , enhanced flexible QoS
IP Routing	Support IPv4 and IPv6 static routes. GRE tunnel; Equal-cost routing; Policy routing Support IPv4 dynamic routing protocols such as OSPF, IS-IS, and BGP Support IPv6 dynamic routing protocols such as OSPFv3, ISISv6, and BGP4+
Multicast	Support IGMP, IGMP Snooping, MLD Snooping
VXLAN	Support VXLAN Layer 2 switching, route switching, and Layer 3 gateway; EVPN VXLAN; IPv6 VXLAN over IPv4
Reliability	Support STP (IEEE 802.1d), RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s) Support BPDU protection, Root protection, loop protection; BPDU Tunnel. Supports cross-device link aggregation BFD sessions can be bound to static routes, VRRP, OSPF, IS-IS, BGP, and RIP Support two PSUs in redundancy mode, two sets of fans in redundancy mode, and power modules and fans in hot swap mode
QoS	Support L2-L4 packet filtering based on MAC, IP, port, protocol, IP ToS , 802.1P priority, VLAN ID, and SVLAN ID VLAN range filtering; Support time-based ACLs Support DLF storm suppression, multicast storm suppression, broadcast storm suppression Support port-based bandwidth limiting; stream/VLAN-based bandwidth limiting (single-speed two-color); the flow of single-speed three-color, two-speed three-color; flow-based priority scheduling and priority mapping Support SP/PQ, DRR, SP/PQ+DRR and other scheduling algorithms; queue tail drop, WRED and other queue cache management policies Each port supports 8*QoS hardware priority queues. Support 802.1p, DSCP/ ToS , priority
IPv6	Support Neighbor Discovery (ND) and PMTU Support IPv6 Ping and IPv6 Telnet Support ACLs based on source IPv6 address, destination IPv6 address, Layer 4 port, and protocol type Support IPv4 and IPv6 dual stack; Support a variety of tunnel technologies
Safety feature	Support hierarchical user rights management and hierarchical command line protection. 802.1x, RADIUS, and TACACS+ authentication Support user level number limit; user binding (port, source MAC, source IP address access control); SNMP login terminal restrictions; SSH v2.0 Anti-ARP attacks, DDoS attacks; Support IP Source Guard; Support black hole MAC; Support number of MAC addresses limit
Green energy saving	Support automatic fan temperature control, temperature monitoring, and fan alarm
Configuration & maintenance	Support terminal services such as Console, Telnet, and SSH Support SNMPv1/v2/v3 and other network management protocols. Support common feature standard MIB Support NETCONF network management protocol Support FTP, TFTP upload, download files; Support unified management of logs, alarms, and debugging information. Support user operation log; Support RMON Support port mirroring, flow mirroring; BootROM upgrade, remote online upgrade, hot patch



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Product Picture



Mounting ear diagram (Standard, support to install on the cabinet)
Unit of size: mm

Rack mounting ears

