

4*10G SFP+48SFP L3 Managed Switch



Overview HONE-S6800-54GS-6

Ports	4*10G SFP+48SFP Managed Switch
Fixed Ports	48*100/1000M SFP 4*100M/1G/10GSFP SFP 2*10G SFP Dedicated stacking port
Manage ports	1 pc console port
Reset Key	1 pc
USB	1 *USB Support backup, import, upgrade
CPU	MIPS-34Kc dual-core 1GHz
DDR	4G DDR3
FLASH	512MBytes
RAM	512MBytes
Band width	512Gbps
Packet forwarding	95.23Mpps
MAC Address	32K
Buffer	16 Mbit SRAM Packet Buffer
Jumbo frames	Jumbo frame up to 12KB
VLAN Address	4K
Link Aggregation	Supports 128 trunk groups with up to 8 members per group
L3 Routing	IPV4 supports 12K; IPV6 supports 12K;
QoS Queue	8
Transmission distance	SFP: Support 1000M single-mode multi-mode optical module, maximum distance \leq 160km (depending on the optical module)
LED indicator	PWR (M main voltage, L slave power supply): Power indicator SYS: System indicator 1-48: 100, 1000M network connection indicator 49-54: 10 Gigabit SFP optical port connection indicator, 10G Speed indicator Stacking: M = Master LED, S = Slave LED, ER = Error LED
Power supply	Built-in redundant dual power inputs:

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	AC: 100-240Vac 50-60Hz 1.5A max 100W power module Hot-swappable.
Working temperature/humidity	-10~+55°C; 5%~90% non-condensing
Storage temperature/humidity	-40~+75°C; 5%~95% non-condensing
Product/package size (L*W*H)	440mm*345mm*45mm 553mm*403mm*93mm
Net weight/gross weight (kg)	5.92kg/6.99kg
Lightning/surge protection level	6KV 8/20us; IP30
Installation method:	Rack type (distribution rack mounting ear accessories)
Certification:	3C; CE-EMC EN55032; CE-LVD EN62368;
Warranty period:	FCC Part 15 Class B; RoHS;

Features	L3 Managed Switch
Supported switch chips	RTL838X
Port	
Number of Fiber Gigabit ports	Maximum 48 ports
Number of Fiber 10 Gigabit ports	Maximum 6 ports
Disabling and enabling ports	Support
Port auto-negotiation	Support port auto-negotiation Support forced port mode and rate
Port flow control	Supports full-duplex IEEE 802.3x flow control and half-duplex back pressure flow control
Broadcast storm control	Support rate limiting for broadcast, multicast and DLF packets
Port storm suppression	Supports detection of broadcast packets, multicast packets and unicast packets of ports respectively, and closes ports when the threshold is exceeded.
Port Mirror	Support
Port Speed Limit	Support port input and output port speed limit
Link Aggregation	Support Supports up to 32 aggregation groups, each group supports up to 8 ports Supports routing strategies of source MAC, destination MAC, source and destination MAC, source IP, destination IP, source and destination IP
Port Isolate	Support
Jumbo Frame	Support up to 16KB packet

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Redundant Port	Support
MAC	
MAC Table Capacity	16K
MAC Table Management	Support
Forwarding mode	Support IVL forwarding mode
Static MAC Address	Support
MAC Address Binding	Support
MAC Address Filtering	Support
MAC Learning Control	Control the MAC learning based on port
VLAN	
Number of VLANs	4K
802.1q-based VLAN	Support
MAC-based VLAN	Support
IP-based VLAN	Support
Protocol-based VLAN	Support
PVLAN	Support
Voice VLAN	Support
VLAN Mapping	Support 1:1 mapping
QinQ	Support basic QinQ Support flexible QinQ
Reliability	
Spanning Tree Protocol	Support STP/RSTP/MSTP
Port Loop Detection	Support
EAPS	Support RFC3619
ERPS	Support G.8032/Y.1344
LLDP	Support LLDP & LLDP-MED
UDLD	Fully compatible with CISCO's UDLD protocol
VLLP (VRRP Layer 2 Ring Protection Protocol)	Support, used with VRRP
IP	
ARP	Support static and dynamic ARP
Static routing	Support
VLAN Interface	Support 32 VLAN interfaces
Multicast	
Static Multicast MAC Address	Support
IGMP SNOOPING	Support
MLD SNOOPING	Support
MVR	Support

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GMRP	Support
ACL	
Standard IP-based ACL	Support
Extended IP based ACL	Support
MAC IP-based ACL	Support
MAC ARP-based ACL	Support
IPv6-based ACL	Support
ACL Port Filtering	Support
Time-based ACL	Support
QoS	
Port Queue Number	8
Port Queue Scheduling Mode	Support WRR, RR, WDRR, SP scheduling modes
Port-based Classification	Support
802.1p-based Classification	Support
DSCP-based Classification	Support
ACL-based Classification	Support
QoS Policy	Supports mapping different data streams to different queues Supports modifying COS or DSCP values of data streams Supports speed limiting of data streams Supports statistics of data streams Supports mirroring of data streams
DHCP	
DHCPv4 Client	Support
DHCPv6 Client	Support
DHCP Snooping	Support
DHCP Relay	Support
DHCP Server	Support
DHCP option 82	Support
Management	
CLI Management	Support serial port management switch Support TELNET management switch Support SSH management switch
WEB Management	Support HTTP and HTTPS
SNMP Management	Support SNMP protocol v1, v2c Support SNMP TRAP Support a variety of standard and private MIB
User Management	Support multi-user management

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TACACS+	support switch authentication via TACACS+ server remote username and password Support password encryption in PAP and CHAP mode Support TACACS+ server to authorize the switch's commands Support TACACS+ based on IPv4 and IPv6
Log Management	Support local log management Support SYSLOG based on IPv4 and IPv6
RMON	Support RMON 1, 2, 3 and 9 groups
Cluster Management	Support NDP Support NTDP Support manual and automatic joining to cluster groups Support unified cluster management
Configuration file upload and download	Support
Upgrade software	Support
Clock Management	Support local clock and SNTP protocol
Security	
Switch Management Security	Supports opening and closing TELNET, WEB and SNMP services Supports binding TELNET, WEB and SNMP services with standard IP ACL Supports limiting the number of TELNET connections
CPU Protection	The switch itself is protected against attacks by large data flows.
AAA	Support 802.1x protocol Support RADIUS protocol Support authentication, authorization and accounting through RADIUS server Support port-based and MAC-based 802.1x
IP MAC Binding	Support static configuration of IP, MAC and port binding
DHCP SNOOPING	Support dynamic ARP binding to prevent ARP spoofing Support dynamic IP, MAC and port binding Support fixed port to connect to DHCP server to prevent private connection to DHCP server
Prevent ARP Spoofing	Supports manual configuration of ACL rules based on MAC ARP to prevent ARP spoofing Supports DHCP SNOOPING function, during the process of obtaining IP address through DHCP, the switch dynamically binds ARP to the port to prevent ARP spoofing
IPv6	

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IPv4/IPv6 Dual Protocol Stack	Support
IPv6 Address	Support manual address configuration, stateless address auto-configuration and stateful address configuration obtained through DHCPv6 client
IPv6 Neighbor Discovery	Support
ICMPv6	Support
IPv6 Path MTU Discovery	Support
Debugging	
PING	Support
TRACEROUTE	Support
TELNET Client	Support TELNET client based IPv4 and IPv6