

HAN Networks

S1000 Series

Full Gigabit Managed Access Layer Switch



Product Description

S1000 is HAN gigabit managed access switch. With an innovative hardware structure and software platform, it provides a powerful processing capacity and complete security protection mechanism, making management and maintenance easy and simple, fully meeting the demands of high-density user access, ideal for access layer of medium to large networks of enterprises and campuses.

Product Features

- IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.1p, IEEE802.1q, IEEE802.1w, IEEE802.1d, IEEE802.1s, IEEE802.3af/at Standard
- 16K MAC address and MAC address automatic learning
- Static routing, VLAN, IGMP, QoS, ACL, DHCP Snooping, ARP, etc
- Built-in 6kV professional 6KV Lightning Protection power supply
- All compliant models are in a 1RU form factor and are 19-inch rack-mountable.
- Support configuration via Telnet and Console
- Powerful web management and maintenance, and support SNMP v1/v2/v3
- Support Ping/Tracert

Datasheet

HAN S1000 Series

Product Specifications

Models	S1000-P24G4S	S1000-24G4S
Interfaces	24GE , 4SFP , 1Console	24GE , 4SFP, 1Console
PoE Ports	24GE	N/A
PoE Standard	IEEE802.3af, IEEE802.3at	
Pin Definition	V- (RJ45 Pin 3,6,7,8), V+ (RJ45 Pin 1,2,4,5)	N/A
PoE Management	PoE Status, Enable, Disable	N/A
System Power Consumption	410W	24W
PoE Budget	370W	N/A
Size	440*284*44mm	440*284*44mm
Max switching capacity	336Gbps	
Switch frame rate	100BASE: 148800pps/port; 1000BASE: 1488000pps/port	
Power Input	220V AC,50/60Hz	
Operation Temperature	0 ~ 45℃	
Storage Temperature	-40℃ ~ 70℃	
Operation/ Storage Humidity	10% ~ 90% (non-condensing)	
LEDs	Power, PoE, Link/Act	
Port Configuration		
Enable/Disable	Yes	
Auto-negotiating	Auto / Force configuration	
Flow Control	IEEE 802.3x Full Duplex Flow Control Half Duplex Back Pressure Flow Control	
Broadcast/Multicast Control	Support broadcast and multicast speed limits Support separate detection of broadcast, multicast, and unicast data packets	
Port Mirroring	Yes	
Speed Limit	Yes (one-way)	
Link Aggregation	Manual Link aggregation LACP Up to 32 groups with a maximum of 8 ports per group Policy algorithms based on source MAC, destination MAC, source IP, destination IP	
Port Protection	Isolation or interworking between ports belonging to the same VLAN	
Jumbo frame	Max frame: 10K bytes	
MAC Configuration		
MAC address capacity	Up to 16k MAC addresses	
MAC address table management	Yes	
Static MAC address Table	Yes	
MAC address binding	Yes	
MAC address filtering	Yes	
MAC address learning control	Restricted MAC address learning based on ports	

Models		S1000-P24G4S	S1000-24G4S
VLAN Configuration			
Number of VLANs		4K	
802.1Q VLAN		Yes	
Port pvid		Yes	
Port allows VLAN		Yes	
Port prohibited VLAN		Yes	
Port Add/Remove Tag		Yes	
Port Access/Trunk/Hybrid mode		Yes	
Reliability protocol			
Spanning Tree Protocol		IEEE802.1d STP IEEE802.1w RSTP IEEE802.1s MSTP	
LLDP		Yes	
Routing			
Static ARP		Yes	
Static Router		Yes	
Layer3 VLAN Interface		Up to 32 VLAN Interfaces	
Multicast			
Static multicast MAC address		Yes	
IGMP Snooping		v1/v2/v3	
Fast leaving		Yes	
Multicast filtering		Yes	
Access Control List			
ACL based on standard IP		Yes	
ACL based on protocol		TCP/UDP/IP/ICMP/IGMP	
ACL based on MAC		Yes	
ACL based on port		Yes	
QoS			
Queue		8	
Scheduling mode		WRR,SP,SWRR	
Priority based on port		Yes	
802.1p		Yes	
DSCP(Diff-Serv)		Yes	
QoS Policy		Queue mapping COS/DSCP value modification	
DHCP Relay			
DHCP relay enable/disable		Yes	
Option 82		Yes	
Management			
CLI		Console, Telnet	

Models	S1000-P24G4S	S1000-24G4S
Web	Yes	
SNMP	Yes. MIB, Trap	
User management	Yes	
Log	Yes	
Configuration file	Yes. Upload & download	
Time management	SNTP Local time management.	
Security		
CPU self-protection	Supports self-security protection to prevent traffic attacks	
AAA	802.1x Radius	
VLAN/MAC/Port binding	Yes	
DHCP Snooping	Yes	
ARP limit	Yes	
Anti ARP attacks	Yes	
Diagnostic tools		
Ping	Yes	
Traceroute	Yes	
Telnet Client	Yes	

Commercial references

Model	Description
S1000-24G4S	Gigabit managed access switch. Fixed 1RU chassis 24 RJ45 10/1000/1G BaseT, 4 SFP (1G), 1 Console
S1000-P24G4S	Gigabit managed PoE access switch. Fixed 1RU chassis 24 RJ45 PoE (802.3af/802.3at) 10/1000/1G BaseT, 4 SFP(1G), 1 Console. 370W PoE budget.

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