

S6700-24GX-2QF 100G Uplink 24-Port 2.5G L3 Managed Switch(Based On SONIC)



- 24 * 1000M/2.5G RJ45 port, 2 * 100G QSFP28 fiber port
- Multiple network security strategies, real-time monitoring, ensuring continuous network robustness
- Intelligent speed regulation, automatic sleep, energy-saving and consumption reduction
- Meeting the demand for high bandwidth in large industrial parks
- Multiple network management methods for simple and easy network maintenance



Description

Overview

Supports 24 2.5G access and 100G/40G high-speed uplink ports



Switch backplane bandwidth	Packet forwarding	switch port
880Gbps	540Mpps	24 * 1000M/2.5G RJ45 port
Working Humidity	Dimensions (W × D × H)	2 * 100G QSFP28 fiber port
10% ~ 90% RH non-condensing	440mm×320mm×44mm	

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Managed Switch
(Based on SONIC)

APPLICABLE SCENARIOS

It is widely used in High-End Cyber Cafes, E-Sports Hotels, and High-Speed Enterprise Network.



PERFECT SECURITY MECHANISM



HIGHLIGHT FEATURES

24 * 1000M/2.5G RJ45 port,
2 * 100G QSFP28 fiber port



540MPPS

Packet forwarding: 540Mpps





Specifications

Hardware Specifications	
Network Interface	●24*1000M/2.5G RJ45 port ●2*100G QSFP28 fiber port ●1 Console port,1 Management Port
Network protocol	● IEEE 802.3、 IEEE 802.3i、 IEEE 802.3u、 IEEE 802.3ab、 IEEE 802.3z、 IEEE 802.3ad、 IEEE 802.3x、 IEEE 802.1p ● IEEE 802.1q、 IEEE 802.1d、 IEEE 802.1s、 IEEE 802.1w
Performance Specifications	●bandwidth:880Gbps ●Packet forwarding rate:540Mpps ● MAC address:96K ●portcache:9Mb ● Flash:4GB ●Forwarding mode:store and forward
LED indicator	●24*1000M/2.5G Link/Act indicator ●2*100G QSFP28 Link/Act indicator ● 2 Power indicator ●1 SYS indicator
Power	●Input:AC 100-240V/50-60Hz ● Dual power redundant input
Dimensions (LxWxH):	●440mm×320mm×44mm
Environmental Specifications	●Operating temperature:0°C~40°C ●Storage temperature:-40°C~70°C ●Working humidity:10%~90%RH non condensing ●Storage humidity:5%~90%RH non condensing
Safety regulations	●CE/ROHS/FCC
Software Specifications	

Protocol standard	IEEE 802.3:Ethernet media access control (MAC) IEEE 802.3i:10BASE-T Ethernet IEEE 802.3u:100BASE-TX fast Ethernet IEEE 802.3ab:1000BASE-T gigabit Ethernet IEEE 802.3z:1000BASE-X Gigabit Ethernet (optical fiber) IEEE 802.3ad:standard method of link aggregation IEEE 802.3x:flow control IEEE 802.1p:LAN layer 2 qos/cos protocol related to traffic priority (multicast filtering function) IEEE 802.1q:VLANBridge operation IEEE 802.1d:STP Spanning tree IEEE 802.1s:MSTP Spanning tree IEEE 802.1w:RSTP Spanning tree
Layer3 interface	Support Layer3 interface Support IPv4 and IPv6 address configuration Support ARP configuration Support ND configuration
Layer 3 routing	Support IPv4 static routing Support IPv4 dynamic routing RIP v1/v2 Support IPv4 dynamic routing OSPFv2 Support IPv6 static routing Support IPv6 dynamic routing RIPng Support IPv6 dynamic routing OSPFv3
Software Specifications	
VLAN	Support 4K VLAN Support 802.1Q VLAN、 MAC VLAN ,IP VLAN ,Voice VLAN
DHCP	Support DHCP server Support DHCP relay Support DHCP Snooping
MAC address table	Comply IEEE 802.1d standard Support MAC address automatic learning and aging Support static,dynamic and filtered address tables
Safety features	Password protection Support restricting user access based on port number,IP address and MAC address Support HTTPS、 SSL V3、 TLS V1、 SSH V1V2 SupportIP-MAC-PORT ternary binding Support ARP protection,IP source protection,DOS protection SupportDHCP Snooping、 DHCP Attack protection Support802.1X certification、 AAA Support Port security,port isolation

	SupportCPU Protection function
Access control(ACL)	SupportL2(Layer 2)~L4(Layer 4)packet filtering function Support Port mirroring,flow speed restriction,QoS re marking
QoS	Support 8 port queues Support port priority,802.1p priority,DSCP priority SupportSP、WRR、SP+WRR、WFQ priority scheduling
Spanning tree	SupportSTP(IEEE 802.1d),RSTP(IEEE 802.1w)and MSTP(IEEE 802.1s)standard Support Loop protection,root bridge protection,TC protection,BPDU protection,BPDU filtering Support optical port 50ms switching
Software Specifications	
Multicast	Support IGMP v1/v2/v3 Snooping Support MLD v1N2 Snooping Support Fast leave mechanism and querier of layer 2 multicast Support Layer 2 IPv4 static multicast Support Layer 2 IPv6 static multicast Support IGMP v1/v2/v3 layer 3 multicast
Storm suppression	Support Multicast suppression Support Broadcast suppression Support Unknown unicast suppression
Link convergence	Support Static convergence Support Dynamic convergence Support based on IP,MAC and mixed load balancing mode Support 32 aggregation groups at most
IPv6	SupportIPv6 Ping、IPv6 Tracert、IPv6 Telnet Support IPv6 SSH 、IPv6 SSL
Network management	Support SONIC Operation system Support WEB management(HTTP、HTTPS、SSL V3 Support CLI(Telnet、SSH V1N2、local serial port) Support SNMP V1N2V3 Support RMON V1V2 Support LLDP device discovery Support NTP time synchronization Support DNS Client Support CPU Monitoring,memory monitoring Support System log,classification warning Support Ping、Tracert Detection,cable detection Support Apollo cloud platform one-stop management and maintenance

Additional information

Models	S6700-24GX-2QF
Series	2.5G SONIC Series