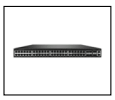
Foredge

S6700-48GX-4TF-2QF 100G Uplink 48-Port 2.5G L3 Managed Switch(Based On SONIC)

- 48 1000M/2.5G RJ45 electrical ports
- 4 10G SFP+optical ports
- 2 40G QSFP optical ports
- High end chips with more stable and powerful performance
- High end chips that can significantly improve network data processing speed
- Supports one-stop management on the Apollo cloud platform
- Support cloud platform for resource visualization management of switches and attached PD devices, making operation and maintenance management simpler



Description

Overview

Supporting 48 2.5G access, 10G/40G high-speed uplink ports

Switch backplane bandwidth

1280Gbps

Packet forwarding

630Mpps

switch port

48 1000M/2.5G RJ45 electrical ports

4 10G SFP+optical ports

2 40G QSFP optical ports

Working Humidity

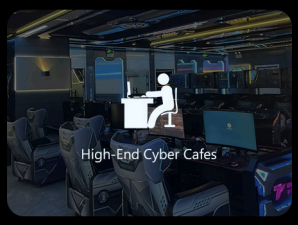
10% ~ 90% RH nun-condensing

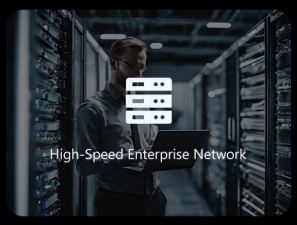
Dimensions (W × D × H)

440mm × 320mm × 44mm

APPLICABLE SCENARIOS

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





PERFECT SECURITY MECHANISM

HIGHLIGHT FEATURES

48 * 1000M/2.5G RJ45 port,
4 * 10G SFP+ fiber port ,
2 * 100G QSFP28 fiber port

630MPPS

Packet forwarding: 630Mpps

Specifications

Hardware Specification:	
Network Interface	● 48*1000M/2.5Gbps RJ45 ports ● 4*10G SFP+ ports ● 2*40G QSFP+ ports ● 1*Console port
Power Consumption	● Less than 100W
Performance	● Bandwith：480Gbps ● Packet forwarding rate：360Mpps ● MAC table size：128K ● Port buffer：4.5MB ● Flash：4GB ● DRAM：2GB ● Forwarding type：storage forwarding
Jumbo Frame	● 16K
Power Supplier	● Power input：AC 100-240V/50-60Hz
Dimension	● WxDxH：440mmx180mmx44mm
Evironment	● Operating temperature：0°C~50°C ● Storage temperature：-40°C～70°C ● Operating humidity：10%~ 90% RH non condensing ●Storage humidity：5%～90% RH non condensing
Safty Regulations	● CE/ROHS/FCC
Software Specifications:	
Multicast	● IGMP v1/v2c/v3 ● IGMP Snooping ● IGMP fast leaving ● Multicast group policy and multicast number limit ● Multicast filtering ● MVR

	● IGMP snooping in certain port and VLAN ● PIM-DM/SM/SSM
IPv4	● Static routing, RIP v1/v2, OSPF, BGP ● Policy Based Routing(PBR) ● ECMP ● BFD for static routing, RIP, OSPF, BGP
IPv6	● IPv4/v6 dual stack ● ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet ● Ipv6 neighbor discovery ● Path MTU discovery ● MLDV1 ● IPv6 Static Routing, RIPng, OSPFv3, BGP4+ ● Manual tunnel, ISATAP tunnel, 6-to-4 tunnel
DHCP	● DHCP server, client, relay, snooping
MPLS	● MCE
QoS	● Traffic classification of port/L2~4 protocol headers/VLAN/CoS/DSCP ● Multiple queuing algorithms such as SP,802.1P/DSCP priority mapping and remark ● CAR traffic control ● WRR or SP+WRR,Tail-Drop, WRED ● Traffic supervision and traffic shaping ● 8 queues per port
Software Specifications:	
Security	● DDoS attack prevention, TCP-SYN/UDP/ARP Flood attack prevention ● IEEE 802.1x authentication, multiple-user authentication, guest vlan ● L2~L4 ACL ● Anti-DOS/IP spoofing/TCP/ping/SYN/ICMP flood attacks ● Broadcast/multicast/unknown-unicast storm-control ● Port isolation ● Port Security, MAC address limitation,IP+MAC+port binding ● DHCP Snooping, DHCP Option 82 ● DAI(Dynamic ARP Inspection) ● IPSG(IP Source Guard) ● IEEE 802.1x certification ● AAA ● Radius,Tacacs+ ● Multiple user privileges
Reliability	● 802.3ad Static/LACP link aggregation, ● EAPS

	● G.8032 ERPS ● ISSU ● VRRP ● GR for OSPF and BGP ● BFD for OSPF and BGP ● HVSS virtual stacking system
Management	● CLI: Console, Telnet, SSHv1/2 ● Web-GUI: HTTP, HTTPS/SSL ● SNMP v1/v2c/v3, RMON,SNMP alarm/inform/traps ● Upload and download of FTP/TFTP/SFTP files ● Debugging ● Syslog for alarm/notification/command/debug ● NTP ● SPAN, RSPAN (1:1 and N:1 mirror)
Management	● LLDP, LLDP-MED ● sFlow ● ZTP(Zero Touch Provisioning) ● Optical DDM ● Ethernet cable diagnosis ● 802.3ah, 802.1ag

Additional information

Models	S6700-48GX-4TF-2QF+
Series	2.5G SONIC Series, Data Center Series