

S6700-24TF-2QF 100G Uplink 24 Port 10G Managed Switches



- 2 40G QSFP+optical ports
- Hardware level multiple protection ensures continuous operation of equipment and stable network without disconnection
- Multiple network management methods for simple and easy network maintenance
- High end chips with more stable and powerful performance
- 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 simple



Description

Overview

Adopts a new generation of high-performance hardware and software platforms to provide flexible and cost-effective full 10G access and 100G uplink ports



Switch backplane bandwidth	Packet forwarding	switch port
880Gbps	540Mpps	24 10 Gigabit SFP+optical ports,
Working Humidity	Dimensions (W × D × H)	
10% ~ 90% RH non-condensing	440mm×320mm×44mm	2 40/100G QSFP28 optical ports

S6700-24TF-2QF

100G Uplink 24 Port 10G
Managed Switches

A black, rack-mountable network switch. The front panel features a row of 24 RJ45 ports, each with a status LED. To the right of these ports are two SFP+ ports. The switch has a sleek, professional design with a dark finish.

A close-up, angled view of the switch's internal components. A large, square, blue-lit component is prominently displayed, with the word 'Foreedge' printed on it. The component is mounted on a circuit board with various connectors and components visible around it.

APPLICABLE SCENARIOS

It is suitable for campus, hotel and enterprise park network access, aggregation and core multiple applications.



HIGHLIGHT FEATURES

24 10 Gigabit SFP+ optical ports,
2 40/100G QSFP28 optical ports.



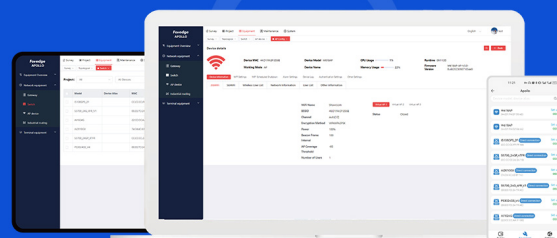
HIGH END CHIPS

- High end chips with more stable and powerful performance
- High end chips that can significantly improve network data processing speed

Foreedge

APOLLO CLOUD SYSTEM MANAGEMENT PLATFORM

Supports one-stop management on the Apollo cloud platform.





Specifications

Hardware Specification:	
Network Interface	● 24*10G SFP+ ports ● 2*40/100G QSFP28 ports ● 1*Console port,1*RJ45 management port ● 1*USB2.0 interface
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	● Bandwith : 880Gbps ● Packet forwarding rate : 540Mpps ● MAC table size : 96K ● Port buffer : 9Mb ● Forwarding type : storage forwarding
LED Indicator	● 24*10G Link/Act indicator ● 2*40/100G Link/Act indicator ● 1*Power indicator ● 1*SYS indicator

Power Supplier	● Power input : AC 100-240V/50-60Hz ● Redundant power,support hot-swap ● 2+1 redundant fans
Dimension	● WxDxH : 440mm×320mm×44mm
Environment	● Operating temperature : 0°C~40°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:	
Protocol Standards	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:VLAN Bridge operation IEEE 802.1d:STP Spanning tree IEEE 802.1s:MSTP Spanning tree IEEE 802.1w:RSTP Spanning tree
L3 Interface	Support L3 interface Support IPV4,IPV6 addresses configuration Support ARP configuration Support ND configuration
L3 Routing	Support IPV4 static routing Support IPV4 RIP v1/v2 Support IPV4 OSPFv2 Support IPV6 static routing Support IPV6 RIPng Support IPV6 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 Table	Support IEEE 802.1d standard

	Support MAC addresses automatic learning and aging Support static, dynamic and filtered address tables
Security Features	Password guard Support restricting user access based on port number, IP address and MAC address Support HTTPS,SSL V3,TLS V1,SSH V1/V2 Support IP-MAC-PORT ternary binding Support ARP protection, IP source protection, DOS protection Support DHCP Snooping,DHCP Attack protection Support 802.1X certification,AAA Support Port security, port isolation Support CPU Protection function
ACL	Support L2(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 Support SP,WRR,SP+WRR,WFQ priority scheduling
STP	Support STP(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 v1/v2 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
LACP	Support Static convergence Support Dynamic convergence Support based on IP, MAC and mixed load balancing mode Support 32 aggregation groups at most
IPv6	Support IPv6 Ping,IPv6 Tracert,IPv6 Telnet Support IPv6 SSH,IPv6 SSL
Network management	Support WEB management (HTTP,HTTPS,SSL V3) Support CLI (Telnet,SSH V1/V2,local serial port) Support SNMP V1/V2/V3 Support RMON V1/V2

	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	S6700-24TF-2QF
Series	Data Center Series

Related products



S6700-64CQ 64-Port 400G Data Center Managed Ethernet Switch



S6700-32QF 32-Port 100G Data Center Managed Ethernet Switch



S6700-32CQ 32-Port 400G Data Center Managed Ethernet Switch



S6700-48YF-8QF-H 100G uplink 48-Port 25G Data Center Managed...