

# S6670 Series

## Layer3 Managed Ethernet Switch



- 48\*1G/10G/25G SFP28; 8\*40G/100G QSFP28
- 1\* Console RJ45; 2\*100/1000M RJ45 MGMT, 1\*USB
- 4Tbps Switching capacity
- Support Dual-FRU AC or DC redundant power supply
- AC: 100 ~ 240V 47/63Hz
- DC: -40V ~-60V
- Support stacking function

## Product Overview

The S6670-48XY8QC is a high-performance Layer 3 switch designed for enterprise, data center, and carrier networks. It features 48 10/25G SFP28 ports and 8 40/100G OSFP28 uplinks, supporting wire-speed forwarding for low latency and high-bandwidth performance. With Layer 2/3 functionalities, VLAN, ACL, and Q-in-Q, it enables efficient traffic management and enhanced security. Equipped with dual FRU redundant power supplies and hot-swapping, it ensures high availability for mission-critical environments. Its resilient stacking capability simplifies management and supports scalability by combining multiple units into a single logical device. Ideal for data centers, enterprise campuses, or service provider networks, the S6670-48XY8QC delivers exceptional performance and flexibility, meeting evolving network demands.

## Feature & Specification

Attribute	S6670-48XY8QC
QSFP28 Port	48*1000/10G/25G Base-X SFP28, 8*40G/100G Base-X QSFP28
Switching Capacity	4Tbps
Forwarding Rate	2800Mpps
MAC Address	128K
Packet Buffer	192Mbit
RAM/Flash	RAM: 4GB; Flash: 8GB
Packet Buffer	192Mbit
Power Supply	AC: 100 ~ 240V, 47~63Hz; DC: -40V~ -60V
Power Consumption	≤500W
Dimension (L*W*H)	440*410*44mm
Environment Temperature	Working Temperature: -10°C ~ 50°C Storage Temperature: -40°C ~ 70°C Relative Humidity : 5%~95%, non-condensing

Software Feature	
VLAN	Support 4K VLANs; Support 1: 1 and N: 1 VLAN switching; Support basic and flexible QinQ
MAC	Support 128K MAC address table; Support Port MAC address filtering; Support blackhole MAC
Stackable	Support Sacking of 8 units through a single IP address; Support Unified management. Support Redundancy mechanism; Support High speed interconnect
Port	Support bidirectional bandwidth control; Support static and dynamic LACP aggregation Support multi-port mirroring; Support port storm suppression Support 9K Jumbo ultra-long frame forwarding
ACL	Support standard and extended ACL; Support ACL policy based on time period
QoS	Supports port-based traffic policing and the two-speed, three-color CAR function
Multicast	Support Layer 2 multicast entry 8K; Support IGMPv1 / v2 / v3 Snooping; Support PIM-SM, PIM-DM, and PIM-SSM Support IGMP Proxy; Support controlled multicast
Layer3 Routing	Static/dynamic routing, RIP/OSPF/BGP/ISIS
Management	Support CLI, Console port, Telnet, SSH, and WEB configuration management; Support SNMP V1, V2c, and V3 management and support SNTP

# S6670 Series

## Layer3 Managed Ethernet Switch



- 32\*10G/40G/100G Base-X QSFP28 port
- 6.4Tbps Switching capacity
- Support Dual-FRU AC or DC redundant power supply
- AC: 100 ~ 240V 47/63Hz
- DC: 36V ~75V
- Support stacking function

## Product Overview

The S6670-32QC is a high-performance Layer 3 switch designed for data centers, enterprise networks, and metropolitan area networks (MANs). It features 32 40/100G OSFP28 ports, delivering high throughput and low latency for backbone, aggregation, and core network layers. Equipped with dual FRU redundant power supplies (AC/DC), it ensures continuous operation in mission-critical environments. The switch supports full Layer 3 routing, IPv4/IPv6 protocols, and advanced features like ACL, Q-in-Q VLAN tagging, and enhanced security for optimized performance and simplified management. Its resilient stacking capability allows multiple units to operate as a single logical device, enabling scalable network expansion. Ideal for high-demand environments, the S6670-32QC offers exceptional performance, reliability, and flexibility.

## Feature & Specification

Attribute	S6670-32QC
QSFP28 Port	32* 10G/40G/100G QSFP28 port
Switching Capacity	6.4Tbps
Forwarding Rate	2800Mpps
MAC Address	128K
Packet Buffer	192Mbit
RAM/Flash	RAM: 4GB; Flash: 8GB
Power Supply	AC: 100 ~ 240V, 47~63Hz; DC: -40V~ -60V
Power Consumption	≤500W
Dimension (L*W*H)	440*410*44mm
Environment Temperature	Working Temperature: -10°C ~ 50°C Storage Temperature: -40°C ~ 70°C Relative Humidity : 5%~95%, non-condensing
Software Feature	
VLAN	Support 1: 1 and N: 1 VLAN switching
MAC	Support 128K MAC address table; Support Port MAC address filtering; Support blackhole MAC
Stackable	Support Sacking of 8 units through a single IP address; Support Unified management. Support Redundancy mechanism; Support High speed interconnect
Port	Support bidirectional bandwidth control; Support static and dynamic LACP aggregation Support multi-port mirroring; Support port storm suppression Support 9K Jumbo ultra-long frame forwarding
ACL	Support standard and extended ACL; Support ACL policy based on time period
QoS	Supports port-based traffic policing and the two-speed, three-color CAR function
Multicast	Support Layer 2 multicast entry 8K; Support IGMPv1 / v2 / v3 Snooping; Support PIM-SM, PIM-DM, and PIM-SSM; Support IGMP Proxy Support controlled multicast
Layer3 Routing	Static/dynamic routing, RIP/OSPF/BGP/ISIS
Management	Support CLI, Console port, Telnet, SSH, and WEB configuration management; Support SNMP V1, V2c, and V3 management and support SNTP