

# S5863 Series

## Layer3 Managed Ethernet Switch



- 48\*1G/2.5G/5G Base-T; 4\*1GE/10GE SFP+
- 2\*40G QSFP+ /100G QSFP28 uplink port
- 960Gbps switching capacity
- Support Dual-FRU AC or DC redundant power supply
- Layer3 static & dynamic routing
- VxLAN, virtual stacking support

## Product Overview

The S5863-48U4SX2Q is a high-performance 10G switch with 48\*1G/2.5G/5G Base-T ports, 4\*1G/10G SFP+, and 2\*40G/100G QSFP28 uplinks. It supports full L2/L3 wire-speed forwarding, IPv6, ACL, and security features while auto-detecting optics. Ideal for enterprise, data center, and metro networks, it offers high-density 5G connectivity and flexible 10G/100G uplinks for aggregation, access, or core deployments.

## Feature & Specification

Attribute	S5863-48U4SX2Q
Interface	48*1G/2.5G/5G Base-T; 4*1GE/10GE SFP; 2*40GE/100GE QSFP28
Fan Slots	2*Modular Fan Supply
Switching Capacity	960Gbps
Forwarding Rate	714Mpps
MAC	32K
RAM/Flash	RAM: 1GB; Flash: 8GB
Packet Buffer	144Mbit
Power Supply	Support FRU 1+1 redundant power supply; AC: 100~240V; 47~63Hz DC: -20~-60V
Power Consumption	≤150W
Dimension (L*W*H)	440*410*44(mm)
Weight	≤9KG
Environment Temperature	Working Temperature: -10°C~ 50°C Storage Temperature: : -40°C~ 70°C Relative Humidity: 5%~95%, non-condensing
Software Feature	
VLAN	MAC and protocol VLAN; Support dual Tag VLAN, Access/Trunk/Hybrid
Ethernet	Support Jumbo Frame; Port enable/disable; Port-isolate
VxLAN	Support
Port Aggregation	Static link aggregation; Support dynamic LACP
Mirroring	Supports multi-port mirroring analysis
ACL	Support standard and extended ACL
QoS	SP + WRR mixed scheduling
Layer 3	Support ARP learning and aging; Support IPv4/IPv6 static route
Security	RADIUS; TACACS+; Authentication
IPv4/v6 dual stack	Support
Layer3 Routing	Static/dynamic routing, RIP/OSPF/BGP
Virtual Stacking	Support

# S5863 Series

## Layer3 Managed Ethernet Switch



- 24\*1000M/10G Base-X SFP+ (100/1000/2.5G/5G/10G Base-T)
- 40G QSFP+ /100G QSFP28 uplink port
- 880Gbps switching capacity
- Redundant (1+1) power supply
- Layer3 static & dynamic routing
- VxLAN, virtual stacking support

## Product Overview

The 5863 series is a Layer 3 switch product which owns high-performance of full 10G access, 40G/100G uplink core routing, which supports rich service features, including L2, L3, VXLAN, OAM/APS and other features, which supports security and flow control features and high-precision clock features. . It can be applied to network operators or campus Ethernet aggregation layer or access layer, and also be used as data center access layer, small and medium-sized enterprise core layer, and provides rich server access solutions for data centers. And S5863-24X2C support stacking function.

## Feature & Specification

Attribute	S5863-24X2C	S5863-24H2QC
Interface	24*1000M Base-X SFP/10GE SFP+, 2*40G QSFP/2*100G QSFP28	24*1G/2.5G/5G/10G Base-T, 2*40G QSFP/2*100G QSFP28
Fan Slots	2*Modular Fan Supply	
Switching Capacity	880Gbps	
Forwarding Rate	595.24Mpps	
MAC	32K	
RAM/Flash	RAM: 1GB; Flash: 8GB	
Packet Buffer	72Mbit	
Power Supply	Support FRU 1+1 redundant power supply; AC: 100~240V; 47~63Hz DC: -40~-60V	AC: 100~240V; 47~63Hz
Power Consumption	Idle ≤33W Full load ≤60W	Idle ≤33W Full load ≤60W
Dimension (L*W*H)	440*390*44(mm)	440*320*44(mm)
Weight	≤8.6KG (AC+DC)	≤4.4kg
Environment Temperature	Working Temperature: -10°C~ 50°C Storage Temperature: : -40°C~ 70°C Relative Humidity: 5%~95%, non-condensing	Working Temperature: -10°C~ 45°C Storage Temperature: : -40°C~ 70°C Relative Humidity: 5%~95%, non-condensing
Software Feature		
VLAN	MAC and protocol VLAN, QinQ and flexible QinQ	
Ring Protocol	STP/RSTP/MSTP, ERPS ,ERRP, BFD, FlexLink	
VxLAN	support	
Port Aggregation	Static link aggregation Support dynamic LACP	
Ethernet OAM	CFM 、 EFM	
ACL	Support standard and extended ACL	
QoS	802.1P, DSCP priority	
Authentication	IEEE 802.1X, Radius&TACACS+	
Security	ERRP, BFD, FlexLink	
IPv4/v6 dual stack	Support	
Layer3 Routing	Static/dynamic routing, RIP/OSPF/BGP/IS-IS	
Virtual Stacking	Support	

# S5863 Series

## Layer3 Managed Ethernet Switch



- 48\*1G/10G Base-X SFP+
- 2\*40G QSFP+ /100G QSFP28 uplink port
- 2160Gbps switching capacity
- Support Dual-FRU AC or DC redundant power supply
- Layer3 static & dynamic routing
- VxLAN, virtual stacking support

## Product Overview

The S5863-48SX2QC is a high-density 10G fiber switch with 48\*1G/10G SFP+ ports and 2\*40G/100G QSFP28 uplinks, delivering wire-speed L2/L3 forwarding, IPv6, ACL, and network security. Its auto-sensing optical modules and flexible 10G/100G connectivity ensure investment protection. Ideal for enterprise networks, data centers, and metro networks, it serves as an efficient solution for campus aggregation, data center access, and SMB core layers. Hot-swappable power supplies enhance reliability.

## Feature & Specification

Attribute	S5863-48SX2QC
Interface	48*1G/10G SFP+; 2*40G QSFP/100G QSFP28
Fan Slots	2*Modular Fan Supply
Switching Capacity	1360Gbps
Forwarding Rate	1011Mpps
MAC	32K
RAM/Flash	RAM: 1GB; Flash: 8GB
Packet Buffer	144Mbit
Power Supply	Support FRU 1+1 redundant power supply; AC: 100~240V; 47~63Hz DC: -20~-60V
Power Consumption	≤130W
Dimension (L*W*H)	440*410*44(mm)
Weight	≤9KG
Environment Temperature	Working Temperature: -10°C~ 50°C Storage Temperature: : -40°C~ 70°C Relative Humidity: 5%~95%, non-condensing
Software Feature	
VLAN	4K VLAN; Support VLAN based on port, MAC and protocol Support dual Tag VLAN, Access/Trunk/Hybrid
Ethernet	Jumbo Frame; Port enable/disable Port based storm-control; Port-isolate
VxLAN	Support
Port Aggregation	Static link aggregation Support dynamic LACP
Mirroring	Supports multi-port mirroring analysis Service flow-based image analysis
ACL	Support standard and extended ACL
QoS	Queue scheduling; SP + WRR mixed scheduling
Terminal Services	Configurations through CLI; Console Terminal service
Security	Support IP Source Guard Support ARP flood suppression and ARP spoofing protection
IPv4/v6 dual stack	Support
Layer3 Routing	Static/dynamic routing, RIP/OSPF/BGP
Virtual Stacking	Support