

48 Ports 5G L3 Managed Switch with 100G SFP

48*2.5/5GE +4*100G SFP Ports



- 48*2500/5000M RJ45 + 4*40G/100G SFP++ slot Managed Ethernet Switch;
- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3z standards;
- Support QOS, STP/RSTP, IGMP, DHCP, SNMP, WEB, VLAN, ERPS etc.;
- 3 years warranty.

RoHS **FC** **CE**

Introduction

The EW-S57948QM switches are multi-Gigabit Ethernet switches designed for next-generation IP metropolitan area networks, large campus networks, and enterprise networks. In addition to providing high-performance layer 2/layer 3/layer 4 wire-speed switching services, the EW-S57948QM switches further integrate various network services such as IPv6 and network security. The EW-S57948QM switches come in multiple product specifications, supporting 48 port 5GE access ports and 25GE/100GE high-speed uplink ports.

TECHNICAL SPECIFICATION

Model	EW-S57948QM
Fixed Port	48*2500/5000 Base-T ports 4*4000/10000 Base-X ports
Console	1
MGMT	1
Box Switching capacity	1280Gbps
Forwarding Rate	952Mpps
Temperature	Operating temperature: (0 - 40)°C Storage temperature: (-40 - 70)°C
Humidity	Operating humidity: (10% - 90%) RH, non-condensing Storage humidity: (5% - 90%) % RH, non-condensing
Dimensions(L*W*H)	440(L)*300(W)*44(H)mm
Power	AC:100 ~ 240VAC, 50 ~ 60Hz

Power consumption	150W
Weight	7Kg
Lightning protection	6KV
MAC address table	112K
LED Indicator	Power, System, Link/Act
Managed Series Feature	
Forwarding mode	Store-and-forward
MAC Address	Static configuration and dynamic MAC learning MAC browsing and removal Configurable aging time of the MAC address Limited number of learnable MAC addresses
Jumbo frame	12K
Port Characteristics	Support outbound and inbound port speed limit Support outbound and inbound port speed limit IEEE 802.3x traffic control for Full-Duplex mode Back-pressure traffic control for Half-Duplex mode Storm suppression for unknown Unicast, multicast, multicast, broadcast type Storm suppression based on bandwidth regulation and storm filtering DDM (received optical power, transmitted optical power, operating temperature, supply voltage and laser bias current)
Port Aggregation	Support port aggregation Support static aggregation Support dynamic aggregation(LACP) Support source MAC payload Support destination MAC payload Support based on source and destination MAC load Support load based on IP address Support load based on TCP/UDP port number Support cross-device link aggregation
VLAN	4K support VLAN Port-based VLAN MAC-based VLAN Protocol-based VLAN VLAN based on IP subnet Voice VLAN
Layer 2 Ring Network Protocol	802.1d STP, 802.1w RSTP, 802.1s MSTP Port Fast, Uplink Fast, Backbone Fast BPDU Guard, BPDU Filter, Root Guard Standard ERPS ERPS single ring single instance

IP Routing(IPv4)	Inter vlan Multi IP Default route Static routing RIP v1/v2 OSPF BGP
IPv6	IPv6-Ping,IPv6-Tracert,IPv6-Telnet,IPv6-TFTP,IPv6-ICMP
Multicast	IGMP V1/2 IGMP Snooping V1/2 IGMP Proxy
DHCP	DHCP Server DHCP Client DHCP Relay DHCP Snooping
Mirror	Support port mirroring for incoming port packets Support port mirroring for outgoing port packets Support port mirroring for inbound and outbound packets Support mirroring of one pair of multiple destination ports Support mirroring of many to multiple destination ports Support multi-to-one destination port mirroring
ACL/QoS	Access list based on source mac Mac access list based on ethertype Ip access list-standard ACL ACL verification of source IP address ACL verification of the destination IP address ACL verification of source port ACL verification of the destination port ACL verification of the specified protocol Support 802.1P (CoS) priority marking Support Qos based on COS Support 8 queues Support SP, WRR, SP+WRR and other scheduling modes

Safety Features	Support port-based 802.1X local authentication Support 802.1X remote authentication Support port-based MAC address filtering Authentication based on MAC address Support Portal authentication Support Radius authentication Loop detection (private) Anti-Secondary Loop Support port isolation Single port isolation Multiple groups of port isolation Port security ARP Aing/Bnding/Proxy Support dynamic ARP detection Support anti-DDoS attack, TCP SYN Flood attack, UDP Flood attack, etc. Support storm suppression for multicast/unknown unicast/broadcast
Energy saving	IEEE 802.3az
Management and Maintenance	CLI: Console, Telnet, SSHv1/2 Web-GUI: HTTP, HTTPS SNMPv1/v2 SNMP Alarm/Inform/Traps Support LLDP NTP v1/2 System log (operation log, alarm log) Syslog support Support user hierarchical management and password protection Support FTP/TFTP loading and upgrading Support restore to factory mode

PACKING LIST

CONTENT	QTY	UNIT
48 Ports 5G L3 Managed Switch with 100G SFP (EW-S57948QM)	1	SET
Hanging Ear	1	PAIR
User Guide	1	PC
Warranty Card	1	PC