

# Access Switch

## QSW-4624MP

**24 x 1G/2.5G, RJ45 + 6 x 1G/10G SFP+ with 24 x PoE+ Managed Switch**  
**720W Power Budget**



The next generation PoE switch in high-density port configuration leveraged NBase-T multi-gigabit technology, QSW-4624MP, is designed for SMB and enterprise to migrate to the reliable and secure Ethernet based high speed network access by connecting the existed Cat5e/Cat6 cabling infrastructure from 1Gbps to multi-gigabit speed. It is ideal solution to save your investment without disruptive and expensive wiring reconstruction required for offering more bandwidth capacity.

The latest content richer application and technology such as WiFi 6E/7 wireless access and 4K UHD video streaming or IP surveillance make the standard gigabit reveal the problem of bandwidth insufficiency. QSW-4624MP is equipped 24 ports 1G/2.5G RJ45 and 6 slots 1G/10G SFP+ uplink. Each Ethernet copper port complies with IEEE 802.3at standard to supply 30W power injection maximum. The 10G uplink ports relieve the insufficiency of Gigabit links to offer instantly demanding bandwidth consumption for PoE powered FHD/UHD IPcam surveillance, WiFi network access in the enterprise network.

It is featured completely L2+ switch functionality which guarantees high network availability, robust network access and security as well as comprehensive QoS in the network edge. It will deliver the benefits of optimal traffic transportation performance and lower ownership cost while maintaining the network deployment simply.

### Features

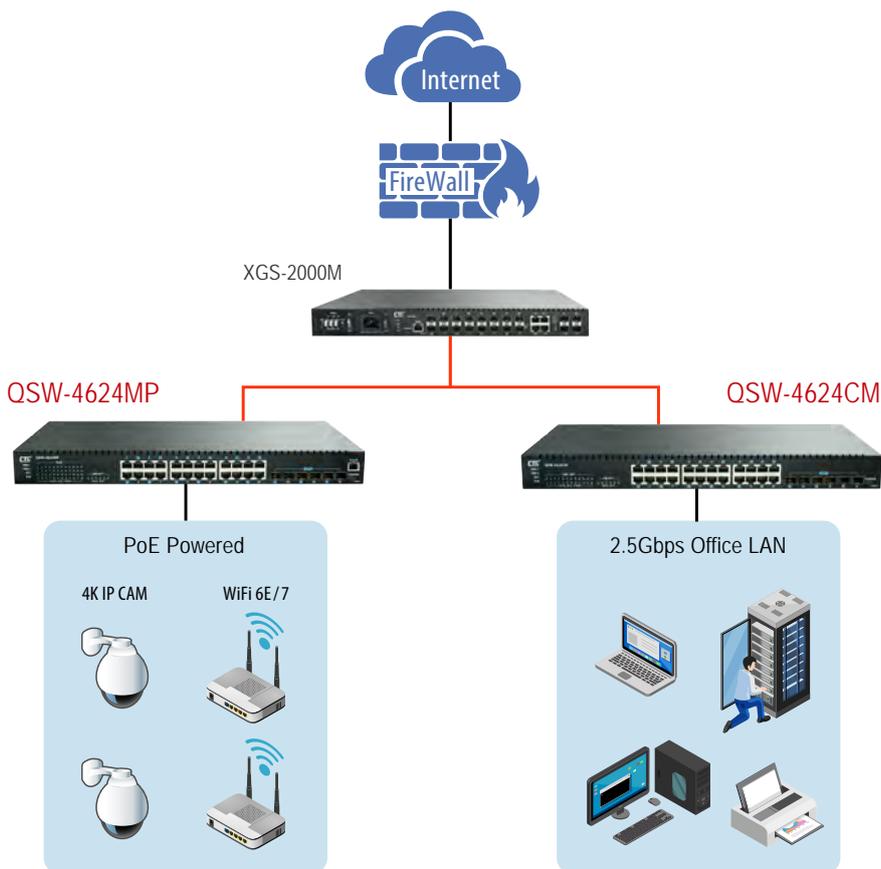
- 24 × RJ45/PoE+ ports with 720W power budget totally
- Cable diagnostics to test UTP cable or determine broken point distance
- Text based CLI configuration download and upload
- Advanced PoE management
  - PoE PD failure auto check and reset if PD failed
  - PoE port on/off scheduling
  - PoE configuration for power planning

### Specifications

<b>Interface</b>	Fiber port: 6x 1G/10G SFP+
	Copper port: 24x 1G/2.5G RJ45
	Management port: 1x 10/100/1000Base-T RJ45
	Console port: 1x RS-232 in USB type C
<b>Packet forwarding Rate</b>	14880pps @10Mbps
	148800pps @100Mbps
	1488000pps @1000Mbps
	3720000pps @2.5Gbps
	14880000pps @10Gbps
<b>PoE Power Budget</b>	720Watts
<b>Switching Fabric Capacity</b>	240Gbps
<b>Transmission Method</b>	Store and Forward Switching
<b>Packet Buffer</b>	32M bits
<b>MAC Table Size</b>	32K
<b>Jumbo Frame Size</b>	10K Bytes

<b>VLAN Feature</b>	IEEE 802.1Q tagged VLAN (4K VLAN groups) IEEE 802.1ad QinQ VLAN Voice VLAN, MAC based VLAN, Protocol based VLAN IP subnet based VLAN Private VLAN for port isolation, VLAN translation, GVRP
<b>Link Aggregation</b>	Static trunk (SA, DA, IP, TCP/UDP port) IEEE 802.3ad LACP, 15 LACP trunk groups Max; 8 port Max. per LACP trunk, IEEE 802.1AX
<b>L2 Switching Protection</b>	IEEE 802.1D STP/IEEE 802.1w RSTP/IEEE 802.1s MSTP, Loop Protection
<b>QoS Feature</b>	Hard wired IEEE 802.1p 8 priority queues per port, Traffic scheduling based on strict/WRR priority CoS based traffic classification on switch port, VLAN ID, DSCP, TCP/UDP port IEEE 802.1p priority tag remarking, DSCP remarking Per port/queue based ingress/egress rate limit in steps of 100kbps IEEE 802.3x flow control IEEE 802.1Qbb priority based full-duplex flow control Multicast/Broadcast/Unicast storm control with flooding control
<b>Security</b>	Static port security (MAC based) Per port limited MAC learning Port based/MAC base/single/multiple IEEE 802.1x access control 512 ACL rules based on L2~L4 information RADIUS/TACACS+ AAA HTTPs & SSH v2 IP/MAC binding IP source guard & ARP inspection
<b>IP Multicasting</b>	IGMP snooping v1/v2/v3, IGMP proxy MLD snooping v1/v2 IGMP fast leave IGMP query IGMP filtering/throttling MVR (Multicast VLAN Registration)
<b>Management</b>	WebGUI/Telnet CLI interface SNMP v1/v2c/v3 RMON I (1,2,3,9 groups) & RFC1213 MIB II DHCP client/snooping/relay option 82 TFTP/HTTP based firmware and configuration upgrade Port mirroring, RSPAN Event syslog DNS client/proxy NTP client UPnP IPv4/IPv6 management SFF-8472 DDMI IEEE 802.1ab LLDP
<b>Advanced PoE Management</b>	PoE PD failure auto check and reset if PD failed PoE port enable/disable Power limit by PD classification
<b>Power Input</b>	AC power input (100~240V)
<b>Power Consumption</b>	800W @ PoE full load
<b>Operating Temperature</b>	0~50°C
<b>Storage Temperature</b>	-25~70°C
<b>Humidity</b>	5%~95% (non-condensing)
<b>Dimension</b>	440 x 280 x 43.5 mm (W x D x H)
<b>Certification</b>	CE, FCC class A

# Application



# Ordering Information

Model Name	Description
QSW-4624MP	24 x 1G/2.5G RJ45 + 6 x 1G/10G SFP+ L2+ Managed PoE Switch

# Optional Accessories

## ■ 10G SFP+ Transceiver Module

Model Name	Description
SFM-1000-SR85	10G SFP+ SR/SW MMF 300m, 850nm VCSEL, 10G Ethernet/FC/SDH/SONET
SFS-1010-LR31	10G SFP+ LR/LW SMF 10km, 1310nm DFB DML, 10G Ethernet/FC/SDH/SONET
SFS-1040-ER55	10G SFP+ ER/EW SMF 40km, 1550nm DFB EML, 10G Ethernet/FC/SDH/SONET
SFS-1080-ZR55	10G SFP+ ZR/EW SMF 80km, 1550nm DFB EML, 10G Ethernet/FC/SDH/SONET