BCZW

48-Port 10/100/1000Mbps

Managed Ethernet Switch with

4 Gigabit SFP

S7500-48GE4GF-L2M

IPv6/IPv4 ACL/QoS

MSTP RSTP

6KV Lightning Protection

Key Features:

Ports: Provide 48*10/100/1000Mbps Ethernet ports with 4 Gigabit SFP Uplink

Self-adaption: RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX

Fiber Port: 4*1.25Gbps SFP

Wide Application: Designed for Wifi AP and IP Security camera.VoIP etc

Managed: Support remote web managed,VLAN and storm contro and IPV6 managementl etc.

Surge protection: Protect the device from lighting surges and others electrical hazards

Considerate Design: Exquisite compact size.wall mounted with fanless design

Easy to use: Plug and play, No configuration required

Installation: Rack mount with easy installation

High performance switch with 4 Gigabit SFP

This 48 ports gigabit managed Switch provides a high-performance switch architecture that is capable of providing the non-blocking switch fabric and wire-speed throughput as high as 256Gbps, which greatly simplifies the tasks of upgrading the LAN for catering to increasing bandwidth demands.   Besides, the Flow Control function of the switch enables routers and servers to directly connect to the Switch for fast and reliable data transfer.

All the RJ45 copper interfaces of the S7500-48GE4GF-L2M support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cables. It also supports standard for auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables. With 4 SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra high speed data transferring, Beside the SFP can transmitte the date with Max 100Km distance with more economic solution

Cost-effective IPv6 Managed Gigabit Ethernet Switch Solution

With layer 2+ managed Gigabit Ethernet Switch, It provides IPv6/IPv4 management and built-in L2/L4 Gigabit Switching engine, and supports high-speed transmission of surveillance images and videos.

Surge Protection Design

Reaching 6KV surge protection, the Ethernet ports owns the capacity to keep the Ethernet Switch from lightning strikes and other electrical surges, offering reliable performance even in some harsh environments.

S7500-48GE4GF-L2M

48 ports 10/100/1000Mbps Managed Ethernet Switch with 4 Gigabit SFP Uplink

Technical Datasheet

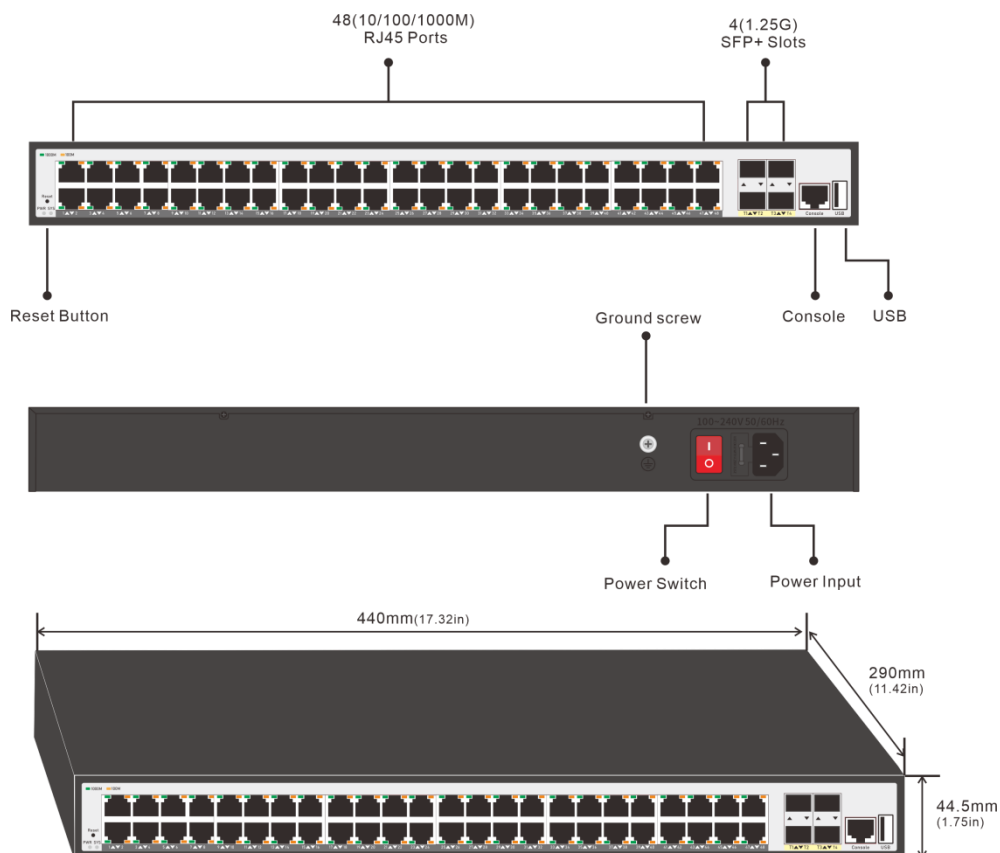| Model	SP7500-48GE4GF-L2M	
Hardware Specifications		
Connector	48 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 4*1.25G Base-X SFP+ Slots	
Console	1 x RS232-to-RJ45 serial port (115200, 8, N, 1)	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(green) SFP: Green	
Thermal Fan	Smart Fan Design	
Network Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX IEEE802.3x Flow Control IEEE802.3az EEE	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	256Gbps
	Packet forwarding rate	112Mpps
	MAC address	16k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W x D x H)	440 x 290 x 44.5mm (17.32in x 11.42in x 1.75in)	
Weight	3.5kg	
Environment	Operating temperature: -20℃~55℃，operating humidity: 5％~95％ Storage temperature: -40℃~75℃，storage humidity: 5％~95％	
Safety	FCC Part15 Class A,CE.RoHs	

Layer 2 Functions	
Port Mirroring	TX / RX / both Many-to-1 monitor
Vlan	802.1Q tagged-based VLAN Up to 256 VLAN groups, out of 4094 VLAN IDs 802.1ad Q-in-Q tunneling Voice VLAN;Protocol VLAN;Private VLAN (Protected port),GVRP
Link Aggregation	IEEE 802.3ad LACP and static trunk Supports 8 groups of 8-port trunk
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol MSTP, IEEE 802.1s Multiple Spanning Tree Protocol
IGMP Snooping	IGMP (v2/v3) snooping IGMP querier Up to 256 multicast groups

MLD Snooping	MLD (v1/v2) snooping, up to 256 multicast groups
QoS	8 mapping ID to 8 level priority queues
	--- Port number
	--- 802.1p priority
	--- 802.1Q VLAN tag
	--- DSCP field in IP packet
	Traffic classification based, strict priority and WRR
Security	IEEE 802.1X port-based authentication
	Built-in RADIUS client to co-operate with RADIUS server
	RADIUS / TACACS+ user access authentication
	IP-MAC port binding
	MAC filtering
	Static MAC address
	DHCP Snooping and DHCP Option82
	STP BPDU guard, BPDU filtering and BPDU forwarding
	DoS attack prevention
	ARP inspection
	IP source guard

Management Function

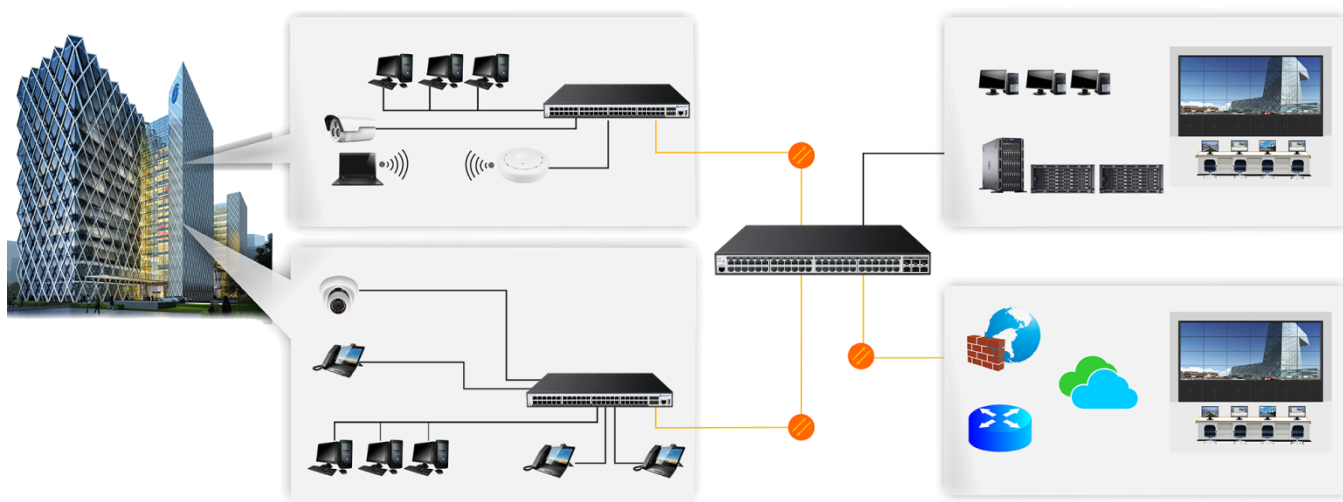|	
Basic Management Interfaces	Web browser / Telnet / SNMP v1, v2c, V3
	Firmware upgrade by HTTP / TFTP protocol through Ethernet network
	Remote / Local Syslog,System log,LLDP protocol ,SNTP
Secure Management Interfaces	SSH, SSL, SNMP
SNMP MIBs	RFC 1213 MIB-II
	RFC 1215 Generic Traps
	RFC 1493 Bridge MIB
	RFC 2674 Bridge MIB Extensions
	RFC 2737 Entity MIB (Version 2)
	RFC 2819 RMON (1, 2, 3, 9)
	RFC 2863 Interface Group MIB
	RFC 3635 Ethernet-like MIB

S7500-48GE4GF-L2M

48 ports 10/100/1000Mbps Managed Ethernet Switch with 4 Ports Gigabit SFP Uplink

Interfaces

48(10/100/1000M)
RJ45 Ports

4(1.25G)
SFP+ Slots

Reset Button

Ground screw

Console

USB

100~240V 50/60Hz

Power Switch

Power Input

440mm(17.32in)

290mm
(11.42in)

44.5mm
(1.75in)

Applications

Ordering Information	
S7500-48GE4GF-L2M	48 Ports 10/100/1000Mbps Managed switch with 4 Ports Gigabit SFP ,6KV surge protection