



8-Port 10/100/1000Mbps

Managed Ethernet Switch with 2 port 1.25G SFP Uplink

IPv6/IPv4  
——  
ACL/QoS

MSTP  
——  
RSTP

6KV  
Lightning Protection  
⚡️🔌



S7500-8GE2GF-L2M

### Key Features:

**Ports:** Provide 8\*10/100/1000Mbps Ethernet ports with 2\*1.25G SFP Uplink

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

**Fiber Port:** 2\*1.25Gbps SFP Uplink

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

**Managed:** Support remote web managed, VLAN and storm control and IPv6 management etc.

**Surge protection:** Protect the device from lightning surges and other electrical hazards

**Installation:** Rack mount with easy installation

### High Performance Switch with 2 Gigabit SFP Uplink

The S7500-8GE2GF-L2M is a dual-mode professional Layer 2+ managed switch engineered for network administrators and system integrators who demand both precision control and deployment agility. Featuring 8x Gigabit RJ45 ports and 2x Gigabit SFP uplink slots, it delivers high-performance, low-latency switching in a compact 1U rack-mount form factor—ideal for surveillance control rooms, edge data cabinets, campus access layers, and industrial network aggregation points.

It supports a robust suite of standards-based L2 features:

- Port- and IEEE 802.1Q VLANs (up to 4094 VLANs) with GVRP
- LACP/Static Link Aggregation (2 groups, up to 4 ports per group)
- RSTP/MSTP with configurable priority and path cost
- QoS with 802.1p/DSCP classification and strict/WRR scheduling across 4 queues
- Comprehensive security: DHCP Snooping, ARP Inspection, port security (MAC limiting), and ACL-based traffic filtering
- Advanced monitoring: sFlow, SNMP v2c/v3, Syslog, and port mirroring

Built with industrial-grade components—including metal housing, wide-temperature tolerance ( $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ ), and 6 kV surge protection on all ports—the S7500-8GE2GF-L2M bridges the gap between enterprise functionality and edge practicality: powerful enough for professionals, intuitive enough for teams.

### 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.



# S7500-8GE2GF-L2M

8 ports 10/100/1000Mbps Managed Ethernet Switch with 2 gigabit SFP Uplink

## Technical Datasheet

Model	S7500-8GE2GF-L2M	
Hardware Specifications		
Connector	8*10/100/1000BASE-T RJ45 auto MDI/MDIX ports	
	2*1.25G Base-X SFP Slots Ulink	
Uplink port	2*1.25G Base-X SFP Slots	
	Power Indicator: PWR(green).	
LED Display	Network Indicator: Link(yellow)	
	SFP: Green	
Thermal Fan	Fanless Design	
	IEEE802.3i 10 BASE-T	
	IEEE802.3u 100 BASE-TX	
Network Standard	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	
	Backplane bandwidth	24Gbps
Switch Performance	Packet forwarding rate	14.88Mpps
	MAC address	8k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W x D x H)	256 x 160 x 44.5mm	
Weight	< 1.8kg	
Environment	Operating temperature: -20°C~55°C, operating humidity: 5%~95% Storage temperature: -40°C~75°C, storage humidity: 5%~95%	
Safety	FCC Part15 Class A,CE,RoHs	
Layer 2 Functions		
Port Mirroring	TX / RX / both Many-to-1 monitor	
	802.1Q tagged-based VLAN	
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	
	STP, IEEE 802.1D Spanning Tree Protocol	
Spanning Tree Protocol	RSTP, IEEE 802.1w Rapid Spanning Tree Protocol	
	MSTP, IEEE 802.1s Multiple Spanning Tree Protocol	
	IGMP (v2/v3) snooping	
IGMP Snooping	IGMP querier	
	Up to 256 multicast groups	

MLD Snooping	MLD (v1/v2) snooping, up to 256 multicast groups
Access Control List	IPv4/IPv6 IP-based ACL / MAC-based ACL
Route	IPv4/IPv6 static route/default route supports up to 128 entries Layer 3 routing and forwarding, support communication between different network segments and different VLANs
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
<b>Management Function</b>	
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 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
SNMP MIBs	

### Ordering Information

S7500-8GE2GF-L2M	8 Ports 10/100/1000Mbps Managed Ethernet switch with 2 Gigabit SFP Uplink, 6KV surge protection, Rack mount
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