BCZW

16-Port 10/100/1000Mbps Managed Ethernet Switch with 2 port 1.25G SFP Uplink

EXCLUSIVE 2 YEAR WARRANTY

IPv6/IPv4 ACL/QoS

MSTP RSTP

6KV Lightning Protection

S7500-16GE2GF-L2M

Key Features:

Ports: Provide 16*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 managementl etc.

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

Installation: Rack mount with easy installation

High Performance Switch with 2 Gigabit SFP Uplink

The S7500-16GE2GF-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 16× Gigabit RJ45 ports and 2× 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 (8 groups, up to 8 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°C to +60°C), and 4 kV surge protection on all ports—the S7500-16GE2GF-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.

S7500-16GE2GF-L2M

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

Technical Datasheet

Model	S7500-16GE2GF-L2M	
Hardware Specifications		
Connector	16*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	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(yellow) SFP: Green	
Thermal Fan	Fanless 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	64Gbps
	Packet forwarding rate	26.79Mpps
	MAC address	8k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W x D x H)	440 x 190 x 44.5mm	
Weight	< 2.3kg	
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
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
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

Ordering Information	
S7500-16GE2GF-L2M	16 Ports 10/100/1000Mbps Managed Ethernet switch with 2 Gigabit SFP Uplink,6KV surge protection,Rack mount