

L2 PoE Managed Switch

(SG802M)

Product Description

It is a Layer 2 Gigabit managed switch independently developed by our company, which provides 8 fixed 10/100/1000Base-T adaptive network ports, 2 1000M SFP optical ports and 1 CONSOLE port.

It provides a visual WEB management interface, supports IPV4/IPV6 management, supports complete security protection mechanisms, perfect ACL/QoS strategies and rich VLAN functions, is easy to manage and maintain, supports multiple network redundancy protocols STP/RSTP/MSTP, supports industrial ERPS ring network functions, and ensures network stability; through Web, CLI, SNMP, Telnet and other network management methods, it performs port management, port flow control, VLAN division, IGMP, security strategy and other application business configurations, which is suitable for hotels, campuses, parks, supermarkets, scenic spots, factory dormitories and SMB small and medium-sized enterprises to build economical and efficient networks.



Product Features

- 8 10/100/1000Base-T ports, 2 1000Base-X SFP fiber ports;
- Port buffer: Supports 4.1M port buffer to prevent video storage congestion;
- Data control: Supports 802.3X full-duplex flow control and network storm suppression;
- Redundant network: Supports STP/RSTP/MSTP and industrial ERPS ring network functionality to ensure network stability;
- Multicast management: Supports IGMP Snooping V1/V2/V3;
- VLAN: Supports IEEE 802.1Q VLAN to effectively isolate broadcast domains;
- QoS: Supports COS/DSCP, 4 queues, and WRR/SP scheduling modes;
- Security management: Supports ACL access control lists, 802.1X, and user hierarchy management;
- Management features: Supports CLI, WEB, and SNMP management methods;
- Monitoring and maintenance: Supports port mirroring, interface status monitoring, and log management;
- Constructed with a metal casing and built-in power design, excellent heat dissipation, ensuring long-term stable operation.

Product Parameters

Standards & Protocol	<p>10Base-T, compliant with IEEE 802.3 100Base-TX, compliant with IEEE 802.3u 1000Base-T, compliant with IEEE 802.3ab 1000Base-X, compliant with IEEE 802.3z Flow control, following IEEE 802.3x Environmentally friendly, compliant with IEEE 802.3az</p>
Interface information	SFP Fiber Ports: 2 1000Base-X ports (compatible with 100M)
	Transmission Rate: 1.25G
	Multimode: 550m/2km; Single mode: 2/20/40/60/80/100km
	Multimode: 850nm/1310nm, Single mode: 1310nm/1550nm/1490nm
	RJ45 Ports: 8 10/100/1000M Base-T ports (standard RJ45)
	10/100/1000Mbps adaptive
	10Base-T: ≤100m (CAT3,4,5 UTP)
	100Base-TX: ≤100m (CAT3,4,5 UTP)
Reset interface	Reset button(5-10s)
Fluctuation switch	1 indicator light fluctuation switch (2nd gear: DATA, POE)
Mechanical properties	Shell material: metal shell
	Appearance dimensions (length*depth*height): 270mm×180mm×44mm
	Installation method: desktop installation; Wall-mount installation
	Heat dissipation method: natural cooling, no fan
	Weight: <1.5KG
Environmental properties	Working temperature: -20°C~+60°C
	Storage temperature: -10°C~+85°C
	Relative humidity: 5% ~ 95% (non-condensing)
Exchange properties	Bandwidth: 20Gbps
	Packet forwarding rate (whole machine) : 15Mpps
	Exchange method: store-and-forward
	MAC table : 8K
	Port Buffer : 4.1m
	Input voltage: AC 100~240V

Power supply	Power consumption: < 10W
Indicator light	Port light: When Switch Point to Data : 10/100M Link/ACT yellow, 1000M Link/ACT green; When Switch Point to PoE: PoE yellow
	POWER: Green
	System: Green
Warranty	1 years

Software features

Monitoring function	Information such as device model, serial number, MAC, hardware version, software version, system time, running time, CPU utilization, memory utilization, etc. can be viewed
	Support port statistics
VLAN function	Support management VLAN
	Support management IP configuration
	Support port VLAN
	Supports VLANs for IP subnets
	Support MAC VLAN
	Support Voice VLAN
	Support GVRP
Port function	Support port configuration
	Support port aggregation
	Support port mirroring
	Support port speed limit
	Support port isolation
	Support port energy saving
Scene function	Support MAC configuration (static binding and dynamic binding)
	Support DHCP Snooping
	Support IGMP-Snooping, MLD Snooping
	Support LLDP configuration
	Support QOS configuration

	Support Jumbo Frame
security function	Support ARP configuration
	Support storm control
	Support ACL (based on IP, MAC, time)
	Support attack prevention (DOS, Icmp-echo)
	Support DHCP Snooping
	Support 802.1X
	Support Radius authentication
Ring network function	Support STP
	Support RSTP
	Support MSTP
	Support ERPS
Troubleshooting function	Support loop protection
	Support log management
	Support Ping detection
	Support traceroute
	Support line detection
Device management function	Support HTTP/HTTPS
	Support TELNET
	Support SNMP
	Support RMON
Equipment maintenance function	Support system time (local and NTP)
	Support account management (hierarchical management of accounts and password protection)
	Support configuration management (configuration import, export, restore factory settings)
	Support system upgrade
	Support device restart

Product Size



Application

光纤传输 Fiber optical cable
普通网线 Network cable



Order details

Model	Parameters	Note
FT-SG802M	8 10/100/1000 BASE-T adaptive Ethernet ports, 2 1000 BASE-X SFP ports; DC power supply;	Recommended power supply specifications DC 48V/2A;