



## L3 Managed 12 ports SFP + 12ports GE Ethernet Switch



G-SW-M12S12G+7 Network Switch is layer 3 which is developed for small and medium enterprises' core network and for medium network's Convergence Layer's applications. It is based on ASIC integration technology that provides non-blocking wire-speed IP switching solution.

G-SW-M12S12G+7 can connect the gigabit networks for the server and large data end users, and it can also construct the main networks for it can use the fiber to supply long-distance transmission.

## Features

- **High Performance Gigabit Switches**

Provides 12 gigabit SFP ports and 12 10/100/1000BASE-T RJ45 ports

- **Link aggregation**

Up to 32 aggregation groups, each supporting 8 ports

- **Layer 3 function**

Support static and dynamic routing base on ASIC chipset

Support RIP V1, V2, OSPF

- **Service Classification**

Up to 8 queues on each port

- **Non-blocking Switching**

Up to 128 Gbps port switch capacity and 95.23Mpps L3 forwarding capability

- **Security Implementation Capacity**

Up to 4096 802.1Q VLAN

Support static routing and dynamic routing protocol

Support IP and MAC address table locking and static setting

Support private VLAN

Support L2 to L7 packets filter and content-based packet identification

- **Jumbo frame**

Up to 16K bytes jumbo frame

- **DHCP**

Support DHCP Server and DHCP Relay

- **Manageability**

Support CLI, Telnet, SNMP, WEB

Built-in SNMP agents such as Bridge MIB, MIBII, Entity MIB v2, RMON MIB, Proprietary MIB

Support download/upload configuration file and upgrade firmware via TFTP

- **Multicast**

Support IGMP v1 v2 v3 and IGMP Snooping protocol

Support PIM-SM multicast routing protocol

- **ARP security features**

Support manual IP and MAC binding

Support automatic binding base of address range

Support ARP locking



- **ACL features**

Support Port-base ACL filtering

Support standard ACL and extension ACL

- **Multi-loop protection**

Support STP, RSTP, MSTP (Recovery time less than 50ms)

Support VRRP (Virtual Router Redundancy Protocol)

Support EAPS (Recovery time less than 30ms)

- **Manageability**

Support CLI, Telnet, SNMP, WEB

Built-in SNMP agents such as Bridge MIB, MIBII, Entity MIB v2, RMON MIB, Proprietary MIB

Support download/upload configuration file and upgrade firmware via TFTP

## Specifications

Item	Description
Fixed port	12 1000BAST-X SFP ports 12 10/100/1000BAST-T RJ45 ports
Extended module	2 ports SFP+ 10GE module
Port Switch capacity	128Gbps
L2 Throughput	95.23Mpps
Queues on each port	8
Spanning tree	STP, RSTP, MSTP
Switching mode	Store and forward
MAC address table	32K
CPU Protection	Support CPU Self-protection
Routing Protocol	RIP V1,V2, OSPF
Traffic control	Full-duplex flow, Broadcast Control, Multicast Control, DLF packets Control
Rate limit	Unit: 64kbps
APR security features	Support manual binding, Support automatic binding, Support ARP locking
Management	SNMP, Telnet, Web, Console
VLAN	Up to 4094 802.1Q VLAN
DHCP	DHCP Client, DHCP Relay
ACL features	Support standard ACL, Support extension ACL
Multicast protocol	IGMP, IGMP Snooping, PIM-SM
Link aggregation	Up to 32 aggregation groups, each supporting 8 ports
Mirroring	Support
RMON	1, 2, 3, 9



EAPS	Support
VRRP	Support
MAC binding	Support
802.1x	Support
Jumbo frame	16K
VLLP	Support VRRP (Virtual Router Redundancy Protocol)
Configuration file management	Support Download/Upload configuration file
<b>Environment requirements</b>	
Outline dimension	444.4mmX342mmX44.5mm
Weight	<5kg
Power consumption	40W
Operating temperature	0°C ~ 45°C
Storage temperature	-20°C ~ 70°C
Relative humidity	10% ~ 90% (non-condensing)
Input voltage	100V ~ 240V AC , 1.5A