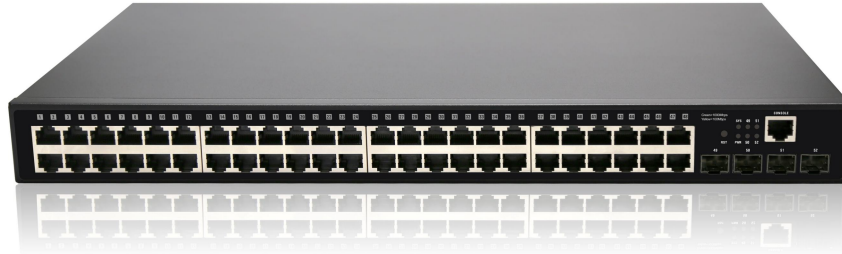


# 10G Ethernet Switch S3700-48T4TF-EI



## 1.1 Product Overview

The 10 Gigabit switch S3700-48T4TF-EI of GL-COM is a BCM chip series of standard three-layer non-blocking switch. It is equipped with 48-bit 10/100 / 1000M RJ45 electrical ports, 4 integrated 10G SFP + optical ports, and one console port to provide sufficient bandwidth. It provides high capacity switching capability and supports Layer 3 and Layer 4 ACLs. Features. Perfect security control strategy and CPU protection policy to improve fault tolerance, ensure stable operation of the network and link load balancing. At the same time support automatic DoS attack defense and SNMP, IEEE 802.1, spanning tree, spanning tree protocol, Link aggregation and other functions, suitable for small and medium enterprises, campus network, Internet cafes and the edge of the use of metropolitan area network.

## 1.2 Product feature

### 1.2.1 High performance

- With 300G backplane bandwidth
- hardware routing, wire-speed three-tier exchange packet forwarding rate of 223.2Mpps
- can be deployed in the metropolitan area network core, and provide a few last 1 km technology
- Ethernet / IEEE802.3 packet size (64 bytes to 1522 bytes)
- Large data packets up to 9216 bytes

### 1.2.2 Safe and reliable

- Provide DOS, distributed denial of service, spoofing and viruses and other defense
- Support IEEE802.1x, providing port-based user authentication, network shield technology, security control technology and policy control list
- Limit the maximum number of ports connected to the host, the Ethernet interface for multiple binding, increase bandwidth and system redundancy

- Strong ACL, support L2-L4 layer data filtering

### 1.2.3 Easy to use and maintain

- Can be through the Web, SNMP and other ways to manage
- Support XModem protocol, you can through TFTP / ZMODEM software upgrades and BootRom upgrade
- Support SFP +, but also backward compatible with XFP and so on

### 1.2.4 Powerful traffic and broadcast management

- Automatically detect and suppress broadcast storms, support IGMP message detection, effectively limit the proliferation of broadcast messages
- Support full-duplex mode and half-duplex mode of flow control
- Supports the Ethernet interface to 1M speed limit

## 1.3 Product technical parameter

Brand name	GL-COM
Product model	S3700-48T4TF-EI
Basic characteristics	
Fixed port	48*10/100/1000M RJ45 electronic port,4* integrated10G SFP+optical port、 1*Console port
Backplane bandwidth	300Gbps
Packet forwarding rate	223.2Mpps
Processor	RISC 400
Flash memory capacity	16MB
Memory Capacity	128M
MAC address table	16K
Queue buffer	3MB
Software specification	
Security features	IP+MAC+PORT+VLAN Bind ARP detection DOS protection Port protection IP source port protection
VLAN	Port based VLAN 802.1Q VLAN Based on IP Based on MAC
Address table	Static MACaddress table Dynamic MAC address table

Storm control	Broadcast suppression Multicast suppression DLF suppression Inhibition rate
Flow control	Half-duplex based on back pressure control Full duplex based on PAUSE frame
Port mirroring	Supports port mirroring
Port management	General settings Port statistics Configure the port Port aggregation Port isolation
Service quality	IEEE 802.1Qau congestion mechanism The 8 send queues per port map the 8 priorities of 802.1p
IP service	Ping detection DHCP detection
Spanning tree	MSTP(802.1s)、STP、RSTP
Multicast management	IGMP Snooping Multicast packet detection
System management	SNMP v1/v2/v3 Console management TELNET mode WEB interface
Remote upgrade	Support upgrades via web implementation Support for local version upgrades
physical dimension	440mm × 285mm × 44mm
Power supply characteristics	AC 110-240V Adaptive, 47-63Hz, 1A/230V,
Power	≥80W
Indicator	Power indication, system indication, connection / send and receive instructions
Environment temperature / humidity	0-50 °C operation, -40-70 °C preservation, 0-90% non-condensing