

10GE Ethernet switch **S3700-24T4TF-EI**



◆ Produce Overview

S3700-24T4TF-EI are L3 clog free 10GE switches with BCM chipset series developed by GL-COM. This product used the modules design with 24*10/100/1000 RJ45 base T ports, 4*integration 10GE SFP+ optical ports, 1*console ports, and also can be offer enough bandwidth, high capacity of exchange, support the ACL function which is the L3 and L4. Prefect security control strategy and CPU protect policy can be used for improve fault tolerance ability to ensure the stable operation of the internet and link road balancing. At the same tine, this switch also support auto DoS defense of attack, SNMP, IEEE802.1, spanning tree, rapid spanning tree protocol, link aggregation and etc functions, it is fit for the middle small-sized enterprise, campus network, internet bar and metropolitan area network and so on margin to use.

◆ Product feature

1、 Excellent performance.

- 218G backplane bandwidth.
- Hardware router, wire speed L3 exchange package transfer rate is 162.19Mpps.
- Cab be Deployed at the center of the metropolitan area network and be offered several last 1000 meter technology.
- Ethernet/IEEE802.3 data packet size(64 byte to 1522 byte).
- Giant data packet maximum 9216 byte.

2、 Security and reliable.

- It provides DOS, DDOS, Deception and virus defense.
- It support IEEE802.1x and provides port-based user authentication, network shield technology, security control technology, and policy control list
- This switch also limit the maximum number of connections to the port, the Ethernet interface for multiple binding, increase bandwidth and system redundancy.
- Strong power ACL, support L2 to L4 data filtering.
- Strategic control list, flow adjustment.

3、 Convenience to use and maintain.

- It can be managed by WEB, SNMP and etc methods.

10GE Ethernet switch **S3700-24T4TF-EI**

- Support NModem protocol, it can be software upgrade and BootRom upgrade by the TFTP/ZMODEM.
- Support SFP+, and meanwhile compatible with XFP downward.

4、Powerful flow and broadcast management.

- Auto detection and relieve the broadcasting storms, Support to detect IGMP message, effective limit the broadcast message overflow.
- Supports full-duplex mode and half-duplex mode flow control.
- Support Ethernet interface with a speed limit of 1M.

◆ Product technology specifications.

| | |
|-------------------------|--------------------------------------------------------------------------------------------------------------|
| Brand | GL-COM |
| Model | S3700-24T4TF-EI |
| Base characters | |
| Fixed ports | 24*10/100/1000M RJ45 Base T ports、4*integration 10GE SFP+ optical ports、1*Console ports |
| backplane bandwidth | 218Gbps |
| Mpps | 162.19Mpps |
| Processor | RISC 400 |
| Flash memory capacity | 16MB |
| GB RAM | 128M |
| MAC address list | 16K |
| queue buffer technology | 3MB |
| Software specification | |
| Security characters | IP+MAC+PORT+VLAN binding ARP detection DOS safeguard ports protection IP source ports protection |
| VLAN | Port based VLAN 802.1Q VLAN IP based . MAC based. |
| Address list | static MAC address table. dynamic MAC address table. |
| storms control | Broadcast restrain. Multicast restrain. DLF restrain. Restrain rate. |

10GE Ethernet switch **S3700-24T4TF-EI**

| | |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| Flux control | Half-duplex is based on back-pressure control. Dual-duplex based on PAUSE frame. |
| Ports mirror image | Support ports mirror image. |
| Manage Ports | Common setting. Ports statistics. Ports configuration. Ports Aggregation . Ports Isolation |
| Qos | IEEE 802.1Qau congestion mechanism. Each port with 8 sending queue map and 802.1p 8 priority. |
| IP service | Ping detection. DHCP detection. |
| Spanning tree. | MSTP(802.1s)、STP、RSTP |
| Multicast manage | IGMP Snooping multicast message detection. |
| System management | SNMP v1/v2/v3 Console manage. TELNET mode. WEB interface. |
| remote upgrade | Support version upgrade by WEB. Support version upgrade by local. |
| outlook measure | 440mm × 230mm × 44mm |
| Power source character | AC 110-240V self-adaption, 47-63Hz, 1A/230V, |
| Power | ≥60W |
| Indicator light | Power source indicator, system indicator, connector/transceiver. |
| Environment temperature/humidity | 0-50°C operation, -40-70°C save, 0-90% no-condensing. |