



## Specification:

### 36-port 10G Uplink Managed Ethernet Fiber Switch with 24

\*10/100/1000Base-T RJ45 and 12\*1/10G Base-X SFP ports and 1\*Console RS232 port

#### ◆ Introduction: -

GL-6236GE-SFP is a L2+ full network management function, supports IPV4/ IPV6 management, static route full wire-speed forwarding, complete security protection mechanism, complete ACL/QoS policy and rich VLAN functions, and is easy to manage and maintain. Its simple management mode and flexible installation can meet the requirement of any complicated scenarios.

#### ◆ Characteristic: -

##### - Gigabit multi fiber port access, 10G SFP+ fiber port uplink

- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- Supports Gigabit Ethernet port and gigabit SFP fiber slot port and 1/10G SFP+ fiber slot port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

##### - Strong business processing capability

- ERPS/STP/RSTP/MSTP.
- Static and dynamic aggregation.
- IGMP V1/V2 and IGMP Snooping.
- IEEE802.1Q VLAN, flexible VLAN division, Voice VLAN, and QinQ configuration.
- QoS, Priority mode based on 802.1P, Port & DSCP, queue scheduling algorithm including EQU, SP, WRR & SP+WRR.
- ALC, filter data packet through configuring matching rules, processing operation & time permission, and provide flexible and safe access control.

##### - Stable and reliable

- Low power consumption, galvanized steel casing, with fan.
- Self-developed power supply high redundancy design, providing a long term and stable power output.
- The user-friendly panel can show the device status through the LED indicator of PWR, Link.

## - Security+

- Equipment-level security: The advanced hardware infrastructure design realizes the level-based packet schedule and packet protection, prevents DoS-/TCP- related SYN Flood, UDP Flood, Broadcast Storm or large traffic attacks, and supports level-based command line protection, endowing different levels of users with different management permissions
- Perfect security authentication mechanisms: IEEE 802.1x, Radius and Tacacs+.
- Storm/multicast/unicast limit, ensuring the normal running of equipment in harsh network conditions.
- Perfect ring detection mechanism, ensuring the long-term stable running of network
- Port isolation within the same VLAN, DHCP-Snooping, and
- IP-MAC-VLAN-Port binding.

## - Easy Management and Maintenance

- Support many management modes such as the CLI, HTTPS, SSLV3, and SSHV1/V2, SNMP (V1/V2/V3).
- Support the WEB management mode, which is easy and efficient for installing and debugging the device
- Support FTP, TFTP and SFTP. Support ISSU (In-Service Software Upgrade).
- Support SNMP and NMS smart network management platform. The combination realizes automatic equipment discovery, network topology management, equipment configuration management, performance data statistics and analysis and trouble management
- Zero Touch Provisioning (ZTP) function to minimize manual operator intervention and helps reduce customers' initial deployment costs

## - Features

- **VLAN:** VLAN based on MAC, VLAN based on the protocol Port configuration of Access, Trunk, Hybrid, GVRP VLAN protocol (4K) VLAN based on port, IEEE802.1q, Voice VLAN, QinQ configuration
- **Spanning Tree:** STP BPDU Guard, BPDU filtering and BPDU forwarding STP (IEEE802.1d), RSTP (IEEE802.1w), MSTP (IEEE802.1s)
- **Multicast:** MLD Snooping, IGMP Snooping, Multicast VLAN, User quick log out, MVR (Multicast LAN registration), IGMP Snooping v1/v2/v3 and 1024 multicast groups at most
- **Layer 3 Protocols:** ARP protocol, 1024 entries at most RIPv1/v2, RIPv3, OSPFv1/v2, OSPFv3  
Support L2+network management function, support 128 entries of IPv4/IPv6 static routes, and dual stack management
- **QoS:** Queue Scheduling Algorithm (SP, WRR, SP+WRR), Flow-based Rate Limiting, Stream based redirection, Flow-based Packet Filtering, 8\*Output queues of each port, 802.1p/DSCP priority mapping, Diff-Serv QoS, Priority Mark/Remark
- **Security:** Port based IEEE802.1X authentication, SSL guarantees data transmission security, Quad binding function of IP+MAC+VLAN+ports, MAC address learning limit, MAC address black hole, Anti DoS attack, Port broadcast message suppression, IP Source Guard function, AAA&RADIUS certification, Hierarchical user management and password protection, SSH 2.0 provides a secure encrypted channel for user login, Host data backup mechanism, ARP intrusion detection function, Port isolation, IP Source Guard, ARP message speed limit function
- **Reliability:** Static/LACP link aggregation, Interface backup EAPS and ERPS, ISSU uninterrupted system upgrade.
- **Management:** Web network management (https), Link Layer Discovery Protocol (LLDP), Viewing CPU Instant Utilization Status, NTP clock, One click restore, SNMP V1/V2C/V3, Cable status check, Ping detection, System work log, ONV NMS platform cluster management (LLDP+SNMP), Console/AUX Modem/Telnet/CLI command line configuration, FTP, TFTP, X modem, SFTP file upload and download management
- **Environment:** Operating temperature/humidity: 0°C -50°C ,10%-90% non-condensing, Storage temperature/ humidity: -20°C -70°C, 5%-95% non-condensing
- **Certification:** CE, FCC, ROHS

◆ Specification: -

MODEL NO.		GL-6236GE-SFP
Interface		24*100/1000Base-T RJ45 combo port (Data) 12*1/10G Base-X SFP ports (Data) 1* Console RS232 port
Ethernet Port		Port 1-8 support 10/100/1000Base-T(X) auto-sensing, Full/half duplex MDI/MDI-X self-adaption
Optical Fiber Port		Gigabit SFP optical fiber port and 10G SFP+ optical fiber port, default no include optical modules (optional order single-mode/multi-mode, single fiber/dual fiber optical module LC)
Optical Cable/ Distance		Multi-mode:850nm/0-500M(1G), 850nm/ 0-300M (10G) Single-mode:1310nm/ 0-40KM, 1550nm/ 0-120KM.
Console		1 RJ45 port
Switching Capacity		336Gbps
Forwarding rate		95.23Mpps
Network Management Type		L2+
Network Protocol		IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 10GBase-LR/SR, IEEE802.3x
Chassis	Dimensions (L*W*H) (mm)	440*290*44.5mm
	Net /Gross Weight	<3.5kg / <4.3kg
Power Consumption	No-load	< 20W
	Full-load	< 45W
Power Supply	AC 100V-240V,50Hz±10%	60W
Noise@25°C (dBA)		41.5
MTBF(H)		>50,000
LED Indicator		Power: PWR (Yellow), System: SYS(Yellow), Network: Link (Yellow), Fiber port: L/A (Green)
Forwarding Mode		Store-forward
Flash		128MB
DRAM		1Gbit
MAC		16k
Buffer Size		12MB
Jumbo Frame		12KB