# GL-2004SP 4GE POE Switch

**Product overview:**

GL-2004SP is managed PoE switch for security transmission and WIFI coverage, meet the WIFI AP, IP-camera, WIFI bridge, IP phones and other types of equipment PoE power supply needs. Products using a new generation of high-performance hardware and software platforms, providing flexible, cost-effective full Gigabit access and uplink ports, support for Layer 3 routing protocols, complete security mechanisms, improved ACL / QoS strategy and rich VLAN capabilities, it is easy to manage and maintain , meet the users' requirements for network equipment easy to manage, high security and low cost. It is suitable for network access, aggregation and core applications in campus, hotel and enterprise campus.

PoE (Power over Ethernet) refers to the power over Ethernet technology. It refers to the transmission of data signals to some IP-based terminals (such as IP phones, wireless access point APs, network cameras, etc.) and also provide DC power supply technology. These devices that accept DC power supply are called powered devices (PDs)

**Hardware Specifications**

| | |
|---|---|
| Network standard | IEEE 802.3: Ethernet Media Access Control (MAC) protocol<br>IEEE 802.3i:10BASE-T Ethernet<br>IEEE 802.3u:100BASE-TX fast Ethernet<br>IEEE 802.3ab:1000BASE-T gigabit Ethernet<br><br>IEEE 802.3z:1000BASE-X gigabit Ethernet (fiber)<br><br>IEEE 802.3ae:10GBASE-SR/LR 10G Ethernet (fiber)<br><br>IEEE 802.3ad: comply link aggregation standard<br>IEEE 802.3x: flow control<br>IEEE 802.1p: About the traffic priority of the second layer of Qos / Cos protocol (multicast filtering)<br>IEEE 802.1q:VLAN Bridge operation<br>IEEE 802.1d:STP spanning tree<br>IEEE 802.1s:MSTP spanning tree<br>IEEE 802.1w:RSTP spanning tree<br>IEEE 802.3af<br>IEEE 802.3at |
| Port | 4 10/100/1000Mbps RJ45　port |

| | 4 gigabit SFP fiber port |
| --- | --- |
| | 1 Console port |
| PoE | 4 10/100/1000Mbps RJ45 port support PoE |
| | Max 400W |
| | Single port max 30W |
| LEDs | 4　Link/Act LEDs |
| | 4　POE LEDs |
| | 1　Power LEDs |
| Performance | Forwarding mode: store and forward |
| | Switch Volume (Full-duplex)　：56Gbps |
| | Packet forwarding rate：41.664Mpps |
| | 8K MAC address table |
| Input | 100-240V/50-60Hz |
| Dimension(L×W×H) | 440mm×320mm×44mm |

## Software Specifications

| | |
| --- | --- |
| Shortcut function | One key VLAN |
| | One key CCTV(1-8 port 250meters PoE distance) |
| | One key Q0S (Video priority) |
| | One key AI power supply |
| Routing | Support RIP V1/V2 dynamic routing |
| | Support static routing |
| DHCP | Support DHCP server |
| | Support DHCP reply |
| | Support　DHCP Snooping |
| VLAN | Support 4K VLAN |
| | Support 802.1Q VLAN、Port VLAN、Voice VLAN |
| PoE | Support setting the PoE port priority |
| | Support　setting PoE power supply period |
| | Support　setting port power |
| MAC address table | Comply the IEEE 802.1d standard |
| | Support MAC address learning and aging automatically |
| | Support static, dynamic, filter address table |

| | |
|---|---|
| Safety | Based on user rating management and password protection |
| | Support based on the port number, IP address, MAC address restrictions on user access |
| | Icmp-echo、DoS protection |
| | Support DHCP Snooping、DHCP attack protection |
| | Support port security, port isolation |
| Access control (ACL) | Support L2(Layer 2) ~ L4(Layer 4) packet filtering function |
| | Support port mirroring, port redirection, flow rate limit, QoS re-marking |
| Multicast | Support IGMP v1/v2 Snooping |
| | Support static multicast |
| | Support multicast VLAN |
| QoS | Support 8 port queue |
| | Support port priority, 802.1p priority, DSCP priority |
| | Support SP、RR、WRR、WFQ Priority scheduling algorithm |
| Spanning Tree | Support STP(IEEE 802.1d), RSTP(IEEE 802.1w) and MSTP(IEEE 802.1s) protocol |
| | Support loop protection, BPDU protection |
| Management and maintenance | Support WEB management（HTTP） |
| | Support CLI（Telnet、local serial port） |
| | Support SNMP V1/V2/V3 , Compatible with public MIBS |
| | Support LLDP、RMON |
| | Support IP Source protection、DoS protection |
| | Support CPU monitor、memory monitoring |
| | Support system log |
| | Support cable testing |
| Multicast | Support IGMP v1/v2 Snooping |

| | Support static multicast |
| --- | --- |
| | Support Multicast   VLAN |

Features:

>1-4 port support 250Meters long-distance power supply (recommended cat5e or 6 network cable)

>Support a key VLAN, the port 1-4 isolated from each other, which can effectively inhibit network storms, improve network performance

>Supports IEEE 802.3af / at standard, automatically detects and identifies devices that comply with the IEEE 802.3af / at standard and supply power to it

>Support Auto MDI/MDIX；

>Adopt store-and-forward exchange method

>intelligent power supply, the lowest power consumption, ensure    PD power needs

>With power circuit protection, protect the safety of PD

>No configuration characteristics of the power supply is automatically     supplied to the adaptive equipment;

>Fanless design, energy saving and environmental protection; no noise,    reduce the impact on the environment

>Small, exquisite design

>Support port without link power saving function

>All ports have wire-speed forwarding capability

>Plug and play ,easy to use