

## 24 100/1000Mbps Managed 10G PoE Switch

### LKSWPOE241L3



### Overview

LKSWPOE241L3 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.

## Shortcut button

**Extend:** 1-8 port supports 250M meters long distance power supply (recommended cat 5 or above)

**VLAN:** Isolating ports 1-24 from each other, restrain network storms effectively and improve network performance

**QoS:** Customize application prioritization and increase network sensitivity. For example, video priority, monitoring transmission more smoothly

**AI POE:** Detect PD device and reboot it automatically when it is crash

## Web Login

**Step1:** In the normal operation of the device, connect the computer to the switch's RJ45 port by network cables

**Step 2:** Manually changed the computer IP address to 192.168.254.X (X is 2 ~ 254), subnet mask is 255.255.255.0

**Step3:** Open computer's browser, type 192.168.254.1 in the address box, hit the Enter key

**Step4:** Enter the default username and password "admin" and then click Login

**Step5:** Entered the switch web management interface successfully, you can begin to configure the switch

## Key Features

- 1-8 port support 250Meters long-distance power supply (recommended cat5e or 6 network cable)
- Support a key VLAN, the port 1-24 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;
- Support port without link power saving function
- All ports have wire-speed forwarding capability
- Plug and play, easy to use

## Technical 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>IEEE 802.3z:1000BASE-X gigabit Ethernet(fiber)<br>IEEE 802.3ae:10GBASE-SR/LR 10G Ethernet(fiber)<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/at |
| Port              | 24 10/100/1000Mbps RJ45 port   |
|                   | 4 10G SFP fiber port   |
|                   | 1 Console port   |
| PoE               | 24 10/100/1000Mbps RJ45 port support PoE   |
|                   | Max 400W, Single port max 46W  |
| LEDs              | 28 Link/Act LEDs   |
|                   | 24 POE LEDs  |
|                   | 1 Power LEDs   |
| Performance       | Forwarding mode: store and forward   |
|                   | Switch Volume (Full-duplex): 128Gbps   |
|                   | Packet forwarding rate: 95.232Mpps   |
|                   | 16K MAC address table  |
| Input             | 100-240V/50-60Hz   |
| Dimension (L×W×H) | 440×320×44mm   |

## Software Specification

|                   |   |
|-------------------|---|
| Shortcut function | One key QoS (Video priority)                    |
|                   | One key AI POE                                  |
|                   | One key EXTEND(1-8 port 250meters PoE distance) |
|                   | One key VLAN                                    |
| 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  |