8+ 2 100/1000Mbps Managed PoE Switch

LKSW8L2

Overview

LKSW8L2 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,   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

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

AI VLAN: Isolating ports 1-8 from each other, restrain network storms effectively and improve network performance

AI 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 1-8 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 IEEE 802.3i:10BASE-T Ethernet IEEE 802.3u:100BASE-TX fast Ethernet IEEE 802.3ab:1000BASE-T gigabit Ethernet IEEE 802.3z:1000BASE-X gigabit Ethernet(fiber) IEEE 802.3ad: comply link aggregation standard IEEE 802.3x:flow control IEEE 802.1p: About the traffic priority of the second layer of Qos / Cos protocol (multicast filtering) IEEE 802.1q:VLAN Bridge operation IEEE 802.1d:STP spanning tree IEEE 802.1s:MSTP spanning tree IEEE 802.1w:RSTP spanning tree IEEE 802.3af/at
Port	8 10/100/1000Mbps RJ45 port
	2 gigabit SFP fiber port
	1 Console port
PoE	8 10/100/1000Mbps RJ45 port support PoE
	Max 150W
	Single port max 46W
LEDs	10 Link/Act LEDs
	8 POE LEDs
	1 Power LEDs 1 SYS LED
Performance	Forwarding mode: store and forward
	Switch Volume (Full-duplex): 20Gbps
	Packet forwarding rate: 14.88Mpps
	8K MAC address table
Input	100-240V/50-60Hz
Dimension(L×W×H)	285×180×44mm

Software Specification

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