16 Gigabit Layer2 Managed PoE Switch

LKSW16L2

Product introduction

LKSW16L2 is managed PoE switch designed for security transmission and WIFI

coverage. It can meet the POE power supply requirements of WIFI AP, IP camera,

WIFI bridge, IP phone and other types of equipment. The product adopts a new

generation of high-performance hardware and software platform to provide flexible,

cost-effective access and Gigabit uplink ports, complete security protection mechanism, complete ACL/QoS policy and rich VLAN functions, easy to manage and maintain, and meet users' requirements for network equipment easy to manage, high security and low-cost , it is applicable to network access, aggregation, and core application scenarios of 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 1-16 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

Hardware Specification

Network standard	IEEE 802.3i　　IEEE 802.3u　　IEEE 802.3x IEEE 802.3ab　　IEEE 802.3af　　IEEE 802.3at
Port	16 10/100/1000Mbps RJ45 port
	2 gigabit SFP
	1 Console
PoE	16 10/100/1000Mbps RJ45 port support PoE+
	Max 250W
	Single port max 46W
LEDs	18 Link/Act LEDS
	16 POE LEDs
	1 SYS LED
	1 Power LED
Performance	Forwarding mode: store and forward
	Bandwidth: 36Gbps
	Packet forwarding rate: 23.8Mpps
	8K MAC address table
Lightning protection	6KV
Input	100-240V/50-60Hz
Dimension(L×W×H)	440*180*44mm

Software Specification

Protocol 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: Standard method for performing link aggregation IEEE 802.3x: flow control IEEE 802.1p: LAN Layer 2 Qos/Cos protocol for traffic priority (multicast filtering) IEEE 802.1q: VLAN IEEE 802.1d: STP Spanning tree IEEE 802.1s: MSTP Spanning tree IEEE 802.1w: RSTP Spanning tree IEEE 802.3af IEEE 802.3at
Shortcut function	One key VLAN
	One key EXTEND(1-8 port 250meters PoE distance)
	One key AI power supply
	One key QoS (Video priority)
DHCP	Support DHCP Snooping
VLAN	Support 4K VLAN
	Support 802.1Q VLAN, MAC VLAN ,IP VLAN
	Voice VLAN
MAC address table	Comply the IEEE 802.1d standard
	Support MAC address learning and aging automatically
	Support static, dynamic, filter address table
	Password protection
	Support based on the port number, IP address, MAC address restrictions on user access
	Support HTTPS, SSL V3, TLS V1, SSH V1/V2
	Support IP-MAC-PORT ternary binding

Safety	Support ARP protection, IP source protection, DoS protection
	Support DHCP Snooping, DHCP attack protection
	Support 802.1X certificated, AAA
	Support port security, port isolation
	Support CPU protection
POE management	Support POE power limit
	Support POE chip status view
	Support setting PoE port priority
	Support setting PoE power supply time period
Access control (ACL)	Support L2 (Layer 2) ~ L4 (Layer 4) packet filtering
	Support port mirroring, port redirection, flow rate limiting, QoS re-marking
Quality of Service (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, root bridge protection, TC protection, BPDU protection, BPDU filtering
Multicast	Support IGMP v1/v2 Snooping
	Support fast leave mechanism
	Support multicast VLAN
	Supports multicast filtering, packet statistics, and unknown multicast discards.
Storm suppression	Support multicast suppression
	Support broadcast suppression
	Support unknown unicast suppression
	Support static aggregation

Link aggregation	Support dynamic aggregation
	Support IP, MAC, and hybrid load balancing modes
	Supports up to 32 aggregation groups
IPv6	Support IPv6 Ping, IPv6 Tracert, IPv6 Telnet
	Support IPv6 SSH , IPv6 SSL
Management and maintenance	Support WEB network management (HTTP, HTTPS, SSL V3)
	Support CLI (Telnet, SSH V1/V2, local serial port)
	Support SNMP V1/V2/V3
	Support LLDP, RMON
	Support ARP protection, IP source protection, DoS protection
	Support CPU monitoring, memory monitoring
	Support system log, grading warning
	Support Ping, Tracert detection, cable detection