

LP-SGW401P 4 ports Gigabit Managed Switch, with 4x10/100/1000Mbps PoE ports plus 1x1000Mbps Uplink port.

LPSGW401P_SS_ENB01W

Features

- 4x10/100/1000Mbps PoE ports plus 1x1000Mbps Uplink port.
- 4x10/100/1000Base-T RJ45 port support PoE.
- Comply to PoE standard IEEE 802.3af/at.
- IEEE 802.1Q VLAN supported.
- STP/RSTP/MSTP supported.



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Gigabit Port

Provide 4x10/100/1000Mbps PoE port+1x1000Mbps Uplink port.

All LanPro's series of switches support multiple types of ports for combined usage, which is convenient for users to networking flexibly and satisfied for network requirements in many scenes. Ports all are capable with gigabit transmission at wire speed and can satisfy various requirements.

PoE Function

4x10/100/1000Base-T RJ45 port support PoE. (PoE power supply requirements in security monitoring, teleconference system and wireless coverage.)

Comply to PoE standard IEEE 802.3af/at; PoE output power reaches to 65W for the whole device and 30W on single port.

Automatic detection and power supply for PoE devices without any damage to the non-PoE devices. PoE ports support priority mechanism. (Prior guarantee of power supply on high priority ports to avoid over-load work of the device when the remaining power is shorted.)

Strong Processing Capability

IEEE 802.1Q VLAN supported (users can divide VLAN flexibly according to requirements). Voice VLAN supported (can configure QoS parameter for voice data, improve transmission priority of voice data stream and guarantee the quality of the phone conversation).

Support QoS and three priority modes as port-based, 802.1P-based and DSCP-based to optimize bandwidth configuration. ACL supported (achieve the filtering of data packet through configuring match rules, processing operation and time limitation, and provide flexible security access control strategy).

Support IGMP V1/V2 and IGMP Snooping; satisfied for access requirement as high-definition video monitoring with multiple terminals and video conference. Multicast VLAN, multicast filtering, high-efficiency data transmission supported; network bandwidth saved and network load decreased.

Port monitoring supported (copy data packet on the monitoring ports to monitoring ports and then achieve network monitoring).

Manage and maintain the equipment by WEB interface.

Support port aggregation then to efficiently increase link bandwidth, achieve link backup and improve link reliability.

Various and Reliable Protection

STP/RSTP/MSTP supported; eliminate layer-two loop and achieve link backup.

Support spanning tree security function to prevent the devices in the spanning tree from various malicious attack.

Support static aggregation and active aggregation to increase link bandwidth efficiently, achieve load balancing and link backup and promote link reliability.

Easy Operation Maintenance

Diversified management and maintenance methods as Web, CLI (Console, Telnet) SNMP (V1/V2/V3).

Support encryptions as HTTPS, SSL V3, TLSV1, SSHV1/V2 to realize safer management.

RMON, system log, port flow statistics supported and network optimization and transformation facilitated.

Users can get known to operation status of the switch through power indicator (PWR), port status indicator (PoE/Link) and Uplink port indicator.

A Technical Parameters

Hardware Function

Hardware Function	
Fixed Port	4x10/100/1000Base-TX PoE 1x1000M RJ45
PoE Port	1-4 port supports PoE
PoE type	IEEE802.3af/at
Console Port	1xconsole port
Reset Key	1
CPU	500M
DDR	1G DDR3 1333MHz
Buffer	Fully integrated 4.1 M packet buffer
FLASH	16M
RAM	128M
Bandwidth	20/56Gbps
Packet Forwarding	14.44Mpps
MAC Address	8K

Hardware Function

Network Protocol	IEEE 802.3 IEEE 802.3u 100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3x IEEE 802.3ad IEEE 802.3af/at IEEE 802.3q, IEEE 802.3q/p IEEE 802.1w, IEEE 802.1d, IEEE 802.1S STP (Spanning Tree Protocol) RSTP/MSTP (Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol
Port Specification	10/100/1000BaseT (X) Auto
Transmission Mode	Store and Forward (full wire speed)
Transmission Distance	10BASE-T: CAT 3/5e UTP (≤250 meter) 100BASE-TX: CAT 5e or later UTP (≤100 meter) 1000BASE-TX: CAT 6 or later UTP (≤1000 meter)
Watt	≤65W
LED Indicator	PWR: Power LED Port: (Green=Link LED + Orange = PoE LED) SYS: (System LED)
Power	External power DC 52V 1.25A
Operating Temperature/Humidity	0~50°C; 5%~90% RH Non condensing
Storage Temperature/Humidity	-40~+75°C; 5%~95% RH Non condensing
Product size/Packing size	125mm x 105mm x 28mm / 210mm x 135mm x 95mm
N.W/G. W (kg)	0.4kg/0.9kg
Installation	Desktop (optional wall hanger parts)
Lightning protection level	3KV 8/20us; IP30
Certificate	CE mark, commercial: CE/LVD EN60950; FCC Part 15 Class B: RoHS
Warranty	Whole device for 1 year (Accessories not included)

Software Function

Software Function	
Network Protocol	IEEE 802.3x, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z IEEE 802.3ad, IEEE 802.3q, IEEE 802.3q/p IEEE 802.1w, IEEE 802.1d, IEEE 802.1S, IEEE 802.1X
MAC	Support 16K MAC address, auto aging and learning
VLAN Configuration	Support port-based VLAN Up to 4096 VLANs Support Voice VLAN, can configure Qos for voice data 802.1Q
Spanning Tree	STP (Spanning tree protocol) RSTP/MSTP (Rapid spanning tree protocol) EPPS/EAPS (Ring network protocol) 802.1x argumentation agreement
Port Aggregation	Support 8 groups of aggregation, each group support up to 8 ports
Port Mirroring	Support many-to-one port mirroring
Loop Guard	Support loop protection, real-time detection, quick alarm, concise location, Intelligent blocking, automatic recovery
Port Isolation	Support downlink ports isolate from each other and communicate with uplink port as well
Flow Control	Half duplex based on Back pressure; Full duplex based on PAUSE frame
Speed Limitation	Bandwidth management based on port input and output
Multicast Control	IGMPv1/2/3 and MLDv1/2 Snooping GMRP protocol registration Multicast address management, multicast VLAN, multicast routing port, static multicast address
DHCP	DHCP Snooping
Storm Suppression	Support unknown unicast, multicast, unknown multicast, broadcast type storm suppression Storm suppression based on bandwidth adjustment and storm filtering
Security	Support User port + IP address + MAC address ACL based on IP, MAC Support security properties of number of MAC address based on port
QoS	802.1p port queue priority algorithm CoS/ToS, QoS remark WRR (Weighted Round Robin), weighted priority rotation algorithm WRR, SP, WFQ priority scheduling modes
Cable Sequence	Auto-MDIX; auto detection on straight-through and cross-over cable
Negotiation Mode	Port support auto negotiation function (self-negotiation transmission rate and duplex mode)

Software Function

<p>System maintenance</p>	<p>Upgrade package upload System log viewing WEB recovery factory configuration</p>
<p>PoE Function</p>	<p>Port Switch Schedule arrangement, time switch Voltage, current and power Display System total power display and configuration PoE Watch dog, automatically restart and timed restart when device crashes; support IP binding restart Port power configuration Over-power Indicator Port PoE type configuration(af/at)</p>
<p>Network Management</p>	<p>WEB interface management CLI management based on Telnet, TFTP, Console SNMP V1/V2/V3 management RMONV1/V2 management RMON management</p>

B How to Order

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