

28 Ports 10/100/1000M Managed Switch with 24x POE RJ45 + 4x 1G SFP

LPG28-24Px-4SFP-M is a 28 Ports 10/100/1000M Managed Switch with 24x POE RJ45 & 4x 1000M SFP ports, with Network management; auto sensing algorithm to give power to IEEE802.3af / IEEE802.3at devices. This switch provides power and data from same port. In addition, it discontinues the power when POE devices are disconnected.



FEATURES

- 24x 10/100/1000M POE RJ45 + 4x 1G SFP ports
- L2+ features provide better manageability, security, QoS, and performance
- Support L2+ Switching features including 802.1Q VLAN, Mirroring, Port isolation, IGMP Snooping,
- DHCP Snooping, LLDP, IP Source Guard, ARP inspection, ACLs etc
- Support spanning tree STP(802.1D) and RSTP(802.1W)
- Support enhanced management through WEB, CLI, TELNET, SSH, SNMP
- Support cable diagnosis
- Supports both IEEE 802.3af and 802.3at (4ports), and every port PoE configuration function
- G.8032, support less than 50ms industrial clock ring protection

SPECIFICATIONS

Number of POE ports (10/100/1000BaseT) @60 W	24
Number of 1000M SFP ports	4
Console port	Yes
Ethernet Port	10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) ; 100BASE-TX: Cat5 or later UTP(≤100 meter)
SFP Slot Port	1000BASE-T: Cat5e or later UTP(≤100 meter)
	Gigabit SFP optical fiber interface, default no include optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: 850nm / 0- 500M, Single-mode: 1310nm/ 0- 40KM, 1550nm /0-120KM
Network Management Type	L2+
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	192Gbps
Forwarding Rate@64byte	41.7Mpps
MAC	8K
Buffer Memory	4.1M
Jumbo Frame	10K
LED Indicator	Power:PWR(Yellow), System: SYS(Yellow), Network: Link/Act(Yellow), POE: PoE (Green), Fiber port: L/A(Green)
Reset Switch	Yes, One-button factory reset

PoE Port	Port 1 to 24 IEEE802.3af/at @ POE / Total power limit of PoE power supply
PoE Management	PoE output power allocation, PoE on/off & af/at
	PoE output priority configuration, PoE working status
	Delay start of power supply, Scheduling of PoE operation and time
Power Supply Pin	Default 1/2 (+) 3/6 (-)
Max Power Per Port	30W, IEEE802.3af/at
Total PWR / Input Voltage	400W (AC100-240V)
Power Consumption	Standby:<18W,Full load:<380W
Power Supply	Built-in power supply, AC 100-240V 50-60Hz 5.0A
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+75°C, 5%~95% RH Non condensing
Dimension (L*W*H)	440*290*44.5mm
Net /Gross Weight.	<4.4kg / <5.0kg
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Interface	Port real-time traffic management (Flow Interval)
	IEEE802.3X (Full-duplex), Broadcast storm control based on port speed
	The speed limit of the message flow in the access port.
	The minimum particle size is 1Gbps.
Layer 3 Features	IPV4 management, L2+ Network management
	Static route, Default route @ 128 pcs, APR @ 1024 pcs
VLAN	Port configuration of Access, Trunk, Hybrid
	VLAN based on the protocol, 4K VLAN based on port, IEEE802.1q
Port Aggregation	LACP, Static aggregation
	Max 14 aggregation groups and 8 ports per group
Spanning Tree	STP (IEEE802.1d), RSTP (IEEE802.1w), MSTP (IEEE802.1s)
Multicast	IGMP Snooping v1/v2, Max 1024 multicast groups, Fast log out Multicast VLAN
Port Mirroring	.Bidirectional data mirroring based on port
QoS	Flow-based redirection, Flow-based rate limiting
	Queue Scheduling Algorithm (SP, WRR, SP+WRR)
	Flow-based packet filtering, 8*Output queues of each port
	802.1p/DSCP priority mapping, Diff-Serv QoS,Priority Mark/Remark
ACL	Port-based Issuing ACL, ACL based on port and VLAN
	L2 to L4 packet filtering, matching first 80 bytes message. Provide ACL
	based on MAC, Destination MAC address, IP Source, Destination IP, IP
	Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc.
Security	Broadcast storm control, Backup for host datum
	SSH 2.0, SSL, Port isolation, ARP message speed limit
	User hierarchical management and password protection
	IP-MAC-VLAN-Port binding, ARP inspection,Anti-DoS attack
	AAA,MAC learning limit, Mac black holes,IP source protection
DHCP	DHCP Client, DHCP Snooping, DHCP Server

<i>Management</i>	Console/AUX Modem/Telnet/SSH2.0 CLI
	NTP, System work log, Ping Test, CPU instant utilization status view
	One-key recovery, Cable Diagnose, LLDP, Web Management (HTTPS)
	Download & Management on FTP, TFTP, Xmodem, SFTP,SNMP V1/V2C/V3
<i>System</i>	Category 5 Ethernet network cable
	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42
	or higher, Microsoft Internet Explorer10 or later;
	TCP/IP, network adapter, and network operating system (such as
	Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network

FUNCTIONAL DIAGRAM



ORDERING INFORMATION

PN	DESCRIPTION
LPG28-24Px-4SFP-M	28 Ports 10/100/1000M Managed Switch with 24 POE RJ45 + 4x 1G SFP
x	F: IEEE802.3af (15.4W per port)
	T: IEEE802.3at (25.5W per port)