



**24/1000 Mbps**

**28 Port PoE**

**PLN-M1124GB-SFP**



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## Overview:

The **PLN-M1124GB-SFP** has the L2+ full network management, supports IPV4 management, static route full line rate forwarding, complete security protection mechanism, ACL/QoS policy and rich VLAN functions, and is easy to manage and maintain. Supports multiple network redundancy protocols STP/RSTP/MSTP (<50ms) to improve link backup and network reliability. When one-way network fails, communication can be quickly restored to ensure important Uninterrupted communication for applications. According to the actual application requirements, you can configure multiple application services such as port traffic control, VLAN division, and SNMP through the Web network management mode. It satisfies high-density network application environment and is suitable for medium, large-scale scenes such as hotel, campus, park, shopping mall, scenic spot, hospital, bank to form an economical, efficient and reliable communication network.

## FEATURES:

### Full gigabit access, gigabit TP/SFP port uplink

- ✔ All series support “Gigabit Ethernet port and Gigabit SFP port” combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- ✔ Support non-blocking wire-speed forwarding.
- ✔ Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

### Security

- ✔ 802.1X authentication.
- ✔ Port isolation, Storm control.
- ✔ IP-MAC-VLAN-Port binding.

### Strong business processing capability

- ✔ IEEE802.1Q VLAN, flexible VLAN division and QinQ configuration.
- ✔ QoS, Priority mode based on 802.1P, Port & DSCP, queue scheduling algorithm including Equ, SP, WRR & SP+WRR.
- ✔ ALC, filter data packet through configuring matching rules, processing operation & time permission, and provide flexible and safe access control.
- ✔ IGMP V1/V2 and IGMP Snooping.
- ✔ ERPS/STP/RSTP/MSTP.
- ✔ Static and dynamic aggregation.

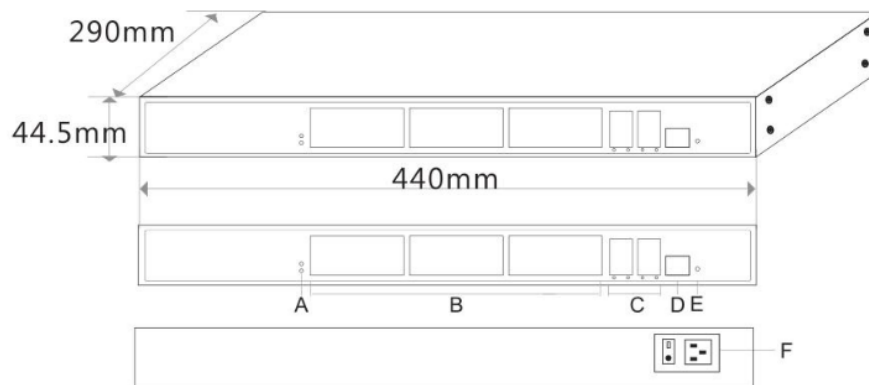
## Intelligent PoE power supply

- ✔ 8\*10/100/1000 Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ✔ The maximum output power of single-port POE is 90W, and the backwards compatibility IEEE802.3af/at PoE power supply standard automatically identifies PoE devices for power supply without damaging non-PoE devices.
- ✔ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

## Stable and reliable, easy to use

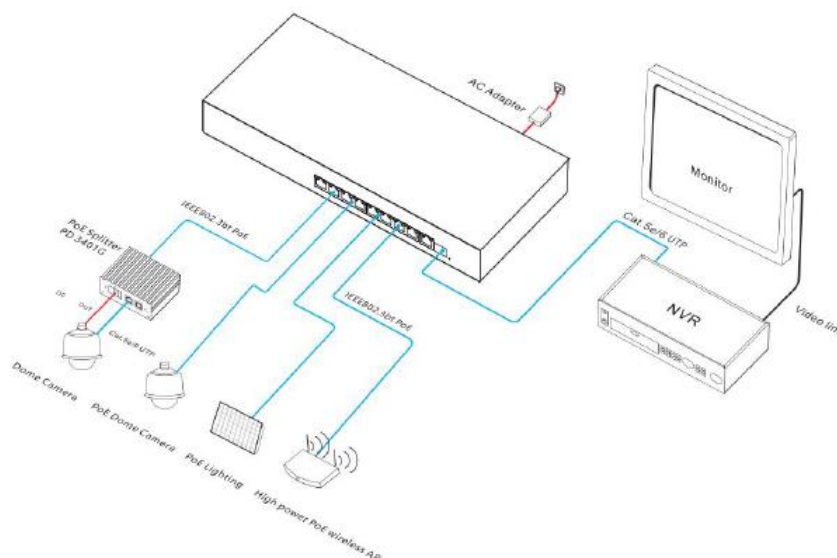
- ✔ CCC, CE, FCC, RoHS.
- ✔ Plug and play, no configuration, simple and convenient.
- ✔ Low power consumption, galvanized steel casing, no fan.
- ✔ The user-friendly panel, it can show the device status through the LED indicator of PWR, Link/Act, PoE.
- ✔ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.

## DIMENSION



- A. Working indicator
- B. 24\*10/100/1000M RJ45 ports
- C. 4\*10/100/1000M SFP ports
- D. Console port
- E. Reset switch
- F. Power input port AC100-240V,50/60Hz

## APPLICATION



## TECHNICAL SPECIFICATION

<b>Model</b>	<b>PLN-M1124GB-SFP</b>
<b>Fixed Port</b>	16*10/100/1000Base-T RJ45 ports (Data) 4*100/1000Base-X uplink SFP slot ports (Data) 1* RS232 console port (115200, N,8,1)
<b>Ethernet Port</b>	Port 1-16/24 support 10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption
<b>Twisted Pair Transmission</b>	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)
<b>SFP Slot Port</b>	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
<b>Optical Cable / Distance</b>	Multi-mode: 850nm 0 ~ 550M, single-mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
<b>Network Management Type</b>	L2+
<b>Network Protocol</b>	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X, IEEE802.3x
<b>Forwarding Mode</b>	Store and Forward (Full Wire Speed)
<b>Switching Capacity</b>	192Gbps
<b>Forwarding Rate@64byte</b>	29.76Mpps
<b>MAC</b>	8K
<b>Buffer Memory</b>	4.1M
<b>Jumbo Frame</b>	10K
<b>LED Indicator</b>	Power: PWR (yellow), System: SYS (yellow), Network: Link/Act(yellow), Fiber port: L/A(green)
<b>Reset Switch</b>	Yes, One-button factory reset
<b>Total PWR / Input Voltage</b>	60W (AC100-240V)
<b>Power Consumption</b>	Standby<16W, Full load<30W
<b>Power Supply</b>	Built-in power supply, AC 100~240V 50-60Hz 1.0A
<b>Operation TEMP / Humidity</b>	-20~+55°C, 5%~90% RH Non condensing
<b>Storage TEMP / Humidity</b>	-40~+75°C, 5%~95% RH Non condensing
<b>Dimension (L*W*H)</b>	440*290*44.5mm
<b>Net /Gross Weight</b>	<3.0kg / <3.8kg
<b>Installation</b>	Desktop, 19 inch 1U cabinet
<b>Lightning protection / protection level</b>	Lightning protection: 4KV 8/20us; Protection level: IP30
<b>Certification</b>	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS

<b>Warranty</b>	3 years, lifelong maintenance.
<b>Interface</b>	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 64Kbps. Port temperature protection setting Port green Ethernet Energy-saving setting
<b>Layer 3 Features</b>	L2+ Network management IPV4/IPV6 management L3 soft routing forwarding, Static route, Default route @ 128 pcs, APR @ 1024 pcs
<b>VLAN</b>	4K VLAN based on port, IEEE802.1q VLAN based on the protocol VLAN based on MAC QinQ configuration Port configuration of Access, Trunk, Hybrid
<b>Port Aggregation</b>	LACP, Static aggregation Max 10/14 aggregation groups and 8 ports per group.
<b>Spanning Tree</b>	STP (IEEE802.1d),RSTP (IEEE802.1w),MSTP (IEEE802.1s)
<b>Multicast</b>	IGMP Snooping v1/v2, Max 1024 multicast groups, Fast log out MLD Snooping v1/v2,Multicast VLAN
<b>Port Mirroring</b>	Bidirectional data mirroring based on port
<b>QoS</b>	Diff-Serv QoS,Priority Mark/Remark 8*Output queues of each port 802.1p/DSCP priority mapping Queue Scheduling Algorithm (SP, WRR, SP+WRR) Flow-based Packet Filtering Flow-based Redirection Flow-based Rate Limiting
<b>ACL</b>	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. Port-based Issuing ACL. ACL based on port and VLAN
<b>Security</b>	User hierarchical management and password protection SSH 2.0,SSL,Port isolation,ARP message speed limit Broadcast storm control,Backup for host datum IEEE802.1X & MAC address authentication Mac black holes,IP source protection AAA & RADIUS,MAC learning limit ARP inspection,Anti-DoS attack IP-MAC-VLAN-Port binding

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