28-Port Gigabit PoE Network Switch with 2 SFP

PLN-1124GB-SFP

28-Port Gigabit PoE Network Switch with 2 SF Port

Overview:

The **PLN-1124GB-SFP** is a full gigabit unmanaged PoE fiber switch independently developed by POLLO. It has 26*10/100/1000M adaptive RJ45 ports and 2*1000M SFP ports. Port 1-24 can support IEEE802.3af/at PoE standard. Single-port PoE power reaches 30W, and the max PoE output power is 400W. As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webcam, VoIP phone, building visual access control intercom, etc. through network cable, to meet the network environment that needs high-density PoE power supply. It is suitable for hotel, campus, factory dormitory and small and medium-sized enterprise.

Unmanaged model, plug and play, no configuration, easy to use

Key Features:

- 24 × Gigabit PoE ports (10/100/1000Base-T) for data and power
- 2 × Gigabit uplink RJ45 ports for high-speed networking
- 2 × Gigabit SFP uplink slots for fiber connectivity
- Auto-sensing ports with full/half-duplex and MDI/MDI-X support
- Supports Cat3–Cat5e UTP with transmission up to 100 meters
- Gigabit SFP ports support single-mode and multi-mode fiber (optional modules)
- Optical distance up to 120 km depending on SFP module type
- Compliant with IEEE 802.3 / 802.3u / 802.3ab / 802.3z / 802.3x standards
- Store-and-forward switching with full wire-speed performance
- 56 Gbps non-blocking switching capacity
- 41.66 Mpps forwarding rate 64-byte packets
- 8K MAC address table with 4 MB buffer memory
- Supports 9.6K jumbo frames
- IEEE 802.3af/at PoE on ports 1–24, up to 30 W per port
- Total PoE power budget up to 400 W
- Built-in AC power supply (100–240 V, 50/60 Hz)

- LED indicators for power, link, PoE, and fiber status
- One-button factory reset supported
- Desktop, wall-mount, and 19" 1U rack-mount installation options
- 4 KV lightning protection with IP30 protection level
- Certified: CCC, CE, FCC, RoHS

FEATURES:

Full gigabit access

- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- Support gigabit Ethernet port and gigabit SFP fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

Intelligent PoE power supply

- IEEE802.3af/at PoE standard, 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.
- 24*10/100/1000Base-T RJ45 ports can support POE power to meet the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios

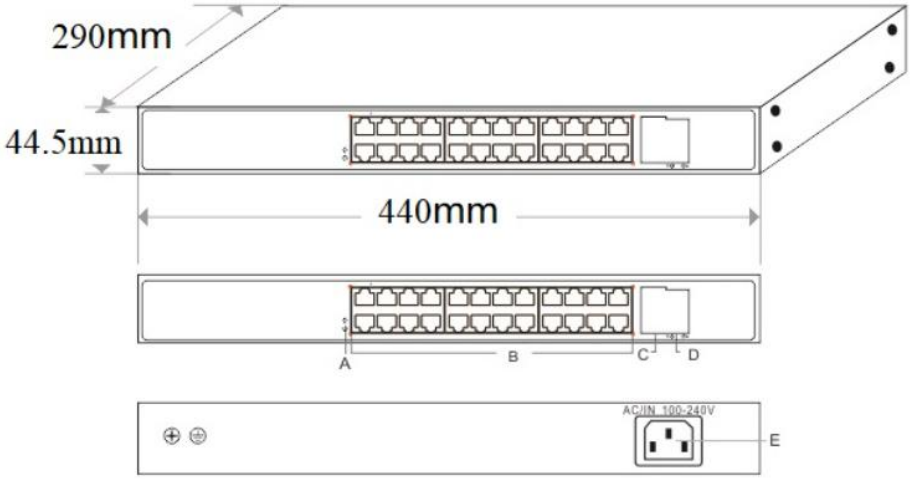
Stable and reliable

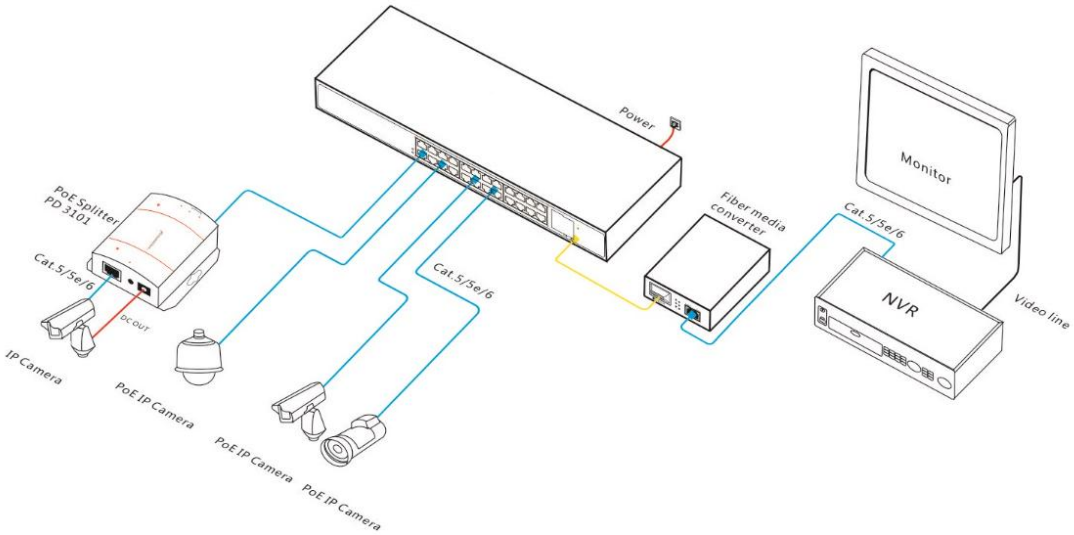
- CCC, CE, FCC, RoHS.
- The user-friendly panel can show the device status through the LED indicator of PWR, Link, PoE.
- Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.

TECHNICAL SPECIFICATION

Model	**PLN-1124GB-SFP**
Fixed Port	24*10/100/1000Base-T PoE ports (Data /Power)
	2*10/100/1000Base-T uplink RJ45 ports (Data)
	2*1000Base-X uplink SFP slot ports (Data)
Ethernet Port	Port 1-24 can support 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters)
	100BASE-TX: Cat5 or later UTP(≤100 meters)
	1000BASE-T: Cat5e or later UTP(≤100 meters)
SFP Slot Port	Gigabit SFP optical fiber port, default no include optical modules (optional order single-mode/ multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable	Multi-mode:850nm/ 0-500M, Single-mode:1310nm/ 0-40KM, 1550nm/ 0-120KM.
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	56Gbps (Non-blocking)
Forwarding Rate@64byte	41.66Mpps
MAC	8K
Buffer Memory	4M
Jumbo Frame	9.6K
LED Indicator	Power: PWR (Green), Network: Link, Link/Act (Yellow), PoE: PoE (Green), Fiber port: L/A (Green)
Reset Switch	Yes, One-button factory reset
PoE Port	Port 1 to 24
Power Supply Pin	1/2 (+) 3/6 (-)
Max Power Per Port	30W, IEEE802.3af/at
Total PWR / Input Voltage	400W (AC100-240V)
Power Consumption	Standby<22W, Full Load<380W
Power Supply	Built-in power supply AC100-240V 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	<3.8kg /<4.3kg
Installation	Desktop, wall-mount, 19" 1U rack-mount
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
Warranty	3 years, lifelong maintenance.

DIMENSION



A. Working indicator
B. 24*10/100/1000M PoE ports
C. 2*10/100/1000M RJ45 ports
D. 2*1000M uplink SFP ports
E. Power input port AC100-240V, 50/60Hz

APPLICATION