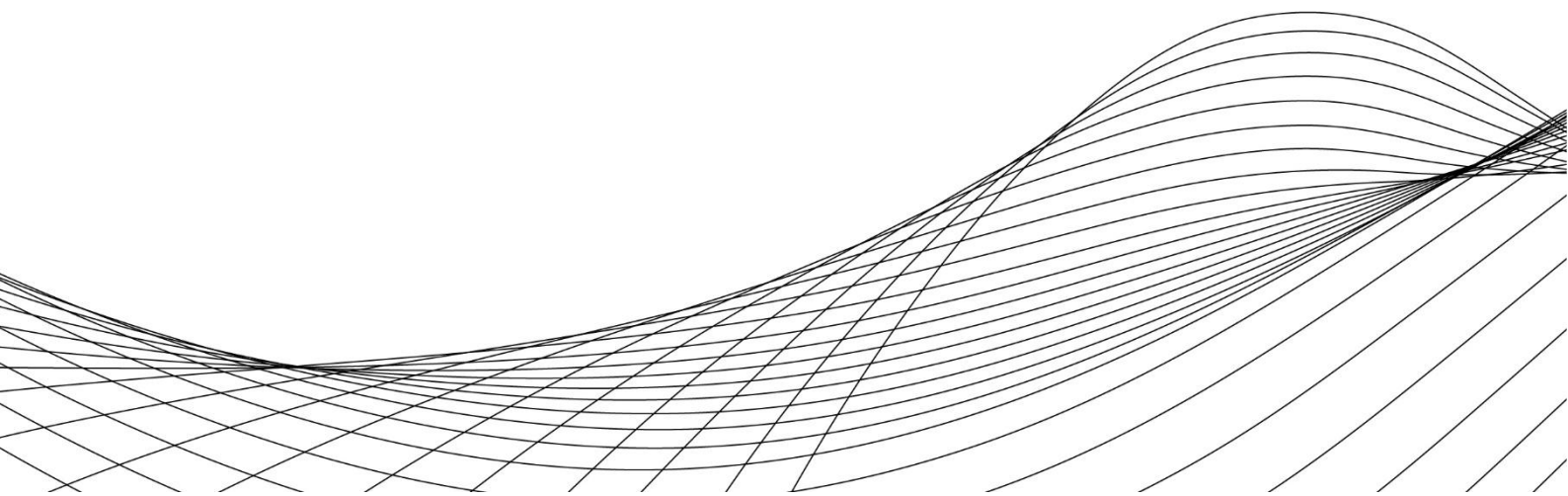


12-Port Megabit PoE Network Switch with Gigabit Uplink & 2 SFP

PLN-1108MGB-SFP

www.pollo.net.au

info@pollo.net.au



12-Port Megabit PoE Network Switch with Gigabit uplink and 2SFP



Overview:

The **PLN-1108MGB-SFP** is a gigabit uplink unmanaged PoE fiber switch independently developed by Pollo. It has 8*10/100Base-TX PoE ports and 2*10/100/1000Base-T RJ45 port and 2*1000Base-X SFP fiber slot ports. Port 1-8 can support IEEE802.3af/at PoE standard, single port PoE power up to 30W, the maximum PoE output power is 130W (at-250W). 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 automatically detect and identify the the electrical equipment that meets the standard and supply power to it through the network cable, devices including wireless AP, IP camera, IP telephone and other PoE terminal equipment. It is suitable for hotel, campus, park, commercial supermarket, scenic spot, factory quarter and SMB small and medium-sized enterprises to form a cost-effective network.

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

Key Features:

- ❖ 8 × 10/100 Mbps PoE ports for data and power
- ❖ 2 × 10/100/1000 Mbps RJ45 uplink ports
- ❖ 2 × Gigabit SFP fiber uplink slots
- ❖ Auto-sensing ports with full/half duplex and MDI/MDI-X support
- ❖ Supports Cat3–Cat5e UTP cabling up to 100 m
- ❖ Gigabit SFP ports support single-mode and multi-mode fiber (optional)
- ❖ Fiber transmission up to 120 km depending on SFP module
- ❖ Comply with IEEE 802.3 / 802.3u / 802.3ab / 802.3z / 802.3x standards
- ❖ Store-and-forward switching with full wire-speed performance
- ❖ 12 Gbps non-blocking switching capacity
- ❖ 7.14 Mpps forwarding rate 64-byte packets
- ❖ 2K MAC address table with 2 MB buffer memory
- ❖ Supports 9.2K jumbo frames
- ❖ IEEE 802.3af/at PoE on ports 1–8, up to 30 W per port
- ❖ Total PoE power budget up to 130 W

- ✔ Built-in AC power supply (100–240 V, 50/60 Hz)
- ✔ LED indicators for power, link/activity, PoE, and gigabit rate
- ✔ Desktop, wall-mount, and 19" 1U rack-mount installation
- ✔ 4 KV lightning protection with IP30 protection level
- ✔ Certified: CCC, CE, FCC, RoHS

FEATURES:

10/100M access, gigabit TP&SFP port uplink

- ✔ Support 10/100M RJ45 port and gigabit TP&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.

Intelligent PoE power supply

- ✔ 8*10/100Base-TX RJ45 ports support PoE power supply to meet the needs of PoE power supply in various scenarios in the industrial field.
- ✔ 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.

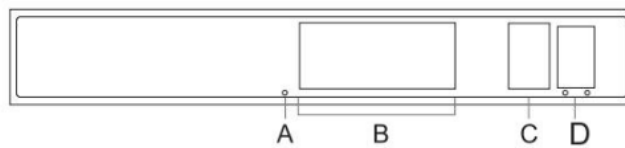
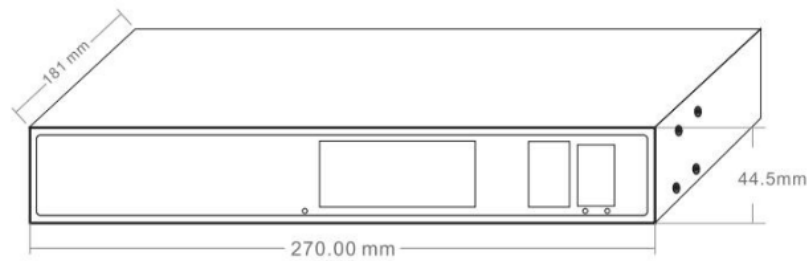
Stable and reliable, easy to use

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

TECHNICAL SPECIFICATION

Model	PLN-1108MGB-SFP
Fixed Port	8*10/100Base-TX PoE ports (Data/Power)
	2*10/100/1000Base-T RJ45 ports (Data)
	2*1000Base-X uplink SFP fiber slot ports (Data)
Ethernet Port	Port 1-8 support 10/100Base-TX, Port 9-10 support 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)
	1000BASE-T: Cat5e or later UTP (≤100 meter)
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: 850nm / 0 ~ 550m, 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	12Gbps (non-blocking)
Forwarding Rate@64byte MAC	7.14Mpps
Buffer Memory	2K
Jumbo Frame	2M
	9.2K
LED Indicator	Power: PWR (green), network: Link, link/Act (yellow), PoE: PoE (green), rate: 1000M (green)
PoE Port	Port 1 to 8 IEEE802.3af/at @ POE
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	130W /(AC100-240V)
Power Consumption	Standby<6W, Full Load<120W
Power Supply	Built-in power supply, AC 100~240V 50-60Hz 2.3A
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Noncondensing
Storage TEMP / Humidity	-40~+80°C, 5%~95% RH Noncondensing
Dimension (L*W*H)	270*181*44.5mm
Net /Gross Weight	<1.3kg / <1.8kg
Installation	Desktop, wall-mounted, 19inch 1U cabinet
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection level: IP30
Certification	CCC, CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS

DIMENSION



A.Working indicator

B.8* 10/100M PoE ports

C.2*10/100/1000M uplink RJ45 ports

D.2*1000M SFP ports

E.Power input port AC100-240V,50/60Hz

APPLICATION

