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

PLN-1108GB-SFP

pöllö DATASHEET

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

Overview:

The PLN-1108GB-SFP is a gigabit uplink unmanaged PoE fiber switch independently developed by Pollo. It has 8*10/1000Base-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. 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 × Gigabit PoE ports (10/100/1000Base-T) for data and power
- 2 × Gigabit RJ45 uplink ports
- 2 × Gigabit SFP fiber uplink ports
- Auto-sensing ports with full/half-duplex and MDI/MDI-X support
- Supports Cat3–Cat5e UTP cabling up to 100 m
- SFP ports support single-mode and multi-mode fiber (optional modules)
- Fiber transmission up to 120 km depending on SFP module
- Compliant with IEEE 802.3 / 802.3u / 802.3ab / 802.3z / 802.3x standards
- Store-and-forward switching with full wire-speed performance
- 24 Gbps non-blocking switching capacity
- 17.86 Mpps forwarding rate @ 64-byte packets
- 4K MAC address table with 4 MB buffer memory
- Supports 9.6K 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, SFP, and gigabit speed
- Desktop, wall-mount, and 19" 1U rack-mount installation
- 4 KV lightning protection with IP30 protection level
- Certified: CCC, CE, FCC, RoHS

FEATURES:

Full Gigabit access, gigabit TP/SFP port uplink

- All series supports "gigabit RJ45 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.

Intelligent PoE power supply

- IEEE 802.3af/at PoE standard, without damaging non-PoE devices.
- 8*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- 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.

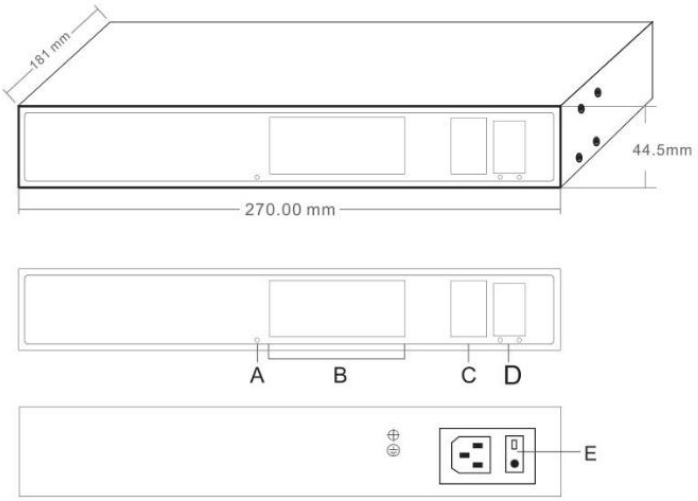
Stable and reliable

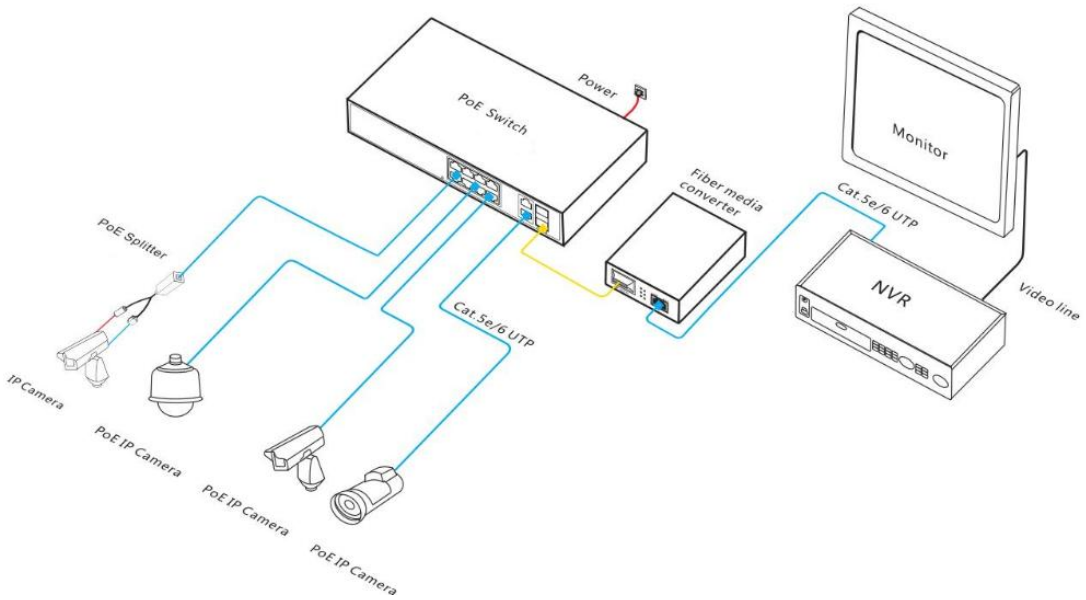
- CCC, CE, FCC, RoHS.
- Plug and play, no configuration, simple and convenient.
- Low power consumption, galvanized steel casing, The fan active cooling.
- Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
- The user-friendly panel, it can show the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

TECHNICAL SPECIFICATION

Model	**PLN-1108GB-SFP**
Fixed Port	8*10/100/1000Base-T PoE ports (Data /Power), 2*10/100/1000Base-T uplink RJ45 ports (Data), 2*1000Base-X uplink SFP ports (Data)
Ethernet Port	10/100/1000Base-T, auto-sensing, full/half duplex MDI/MDI-X
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 ~ 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	24Gbps (non-blocking)
Forwarding Rate@64byte	17.86Mpps
MAC	4K
Buffer Memory	4M
Jumbo Frame	9.6K
LED Indicator	Power: PWR (green), network: Link, Link/Act (yellow),PoE: PoE(green) SFP port: L/A (green), speed : 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:<8W, Full Load:<120W
Power Supply	Built-in power supply, AC100~240V 50-60Hz 2.3A
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)	270*181*44.5mm
Net /Gross Weight	<1.5kg /<2.0kg
Installation	Desktop, wall mounted,19-inch 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* 10/100/1000M PoE Ports
C.2*10/100/1000M Uplink Ports
D.2*10/100/1000M SFP Ports
E.Power Input Port AC100-240V,50/60Hz

APPLICATION