Product Datasheet

3-port 10/100M PoE Extender

(PSE-PD3121L)



OVERVIEW

PSE-PD3121L is an unmanaged PoE extender. It has 2*10/100M PoE ports and 1*10/100M uplink PD RJ45 port. Port 1-2 can support IEEE802.3af/at PoE standard. Single-port PoE power up to 25W. The working power of the PoE extender is taken from the PoE switch and no additional power supply. It is installed at the end of the 100 meters network cable to extend the network and POE power supply by 100 meters at full speed. 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, video access control, etc. through a network cable, to meet the network environment that requires high-density PoE power supply, and to reduce the bandwidth to solve the twisted pair POE transmission within 200 meters. It is suitable for hotels, campuses, factory dormitories, and small and medium-sized enterprises to form a cost-effective network.

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

FEATURE

■ 10/100M fast Ethernet, uplink PD RJ45 port

◇ Support non-blocking wire-speed forwarding.

◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

◇ 3*10/100Base-TX RJ45 ports to meeting the power supply and transmission requirements of the scene within 200 meters.

■ Intelligent PoE power supply

◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.

◇ 2*10/100Base-TX RJ45 ports can support PoE power supply to meeting the needs of PoE power supply in various security scenarios.

■ Innovative function

◇ PoE extender can extend the network signal transmission distance and POE power supply distance.

◇ When the PoE extender is working, it does not need an external power supply to easily solve the bandwidth and power network cable transmission within 200 meters.

■ Stable and reliable

◇ CCC,CE, FCC, RoHS.

◇ Plug and play, no configuration, easy to use and maintain.

◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, PoE.

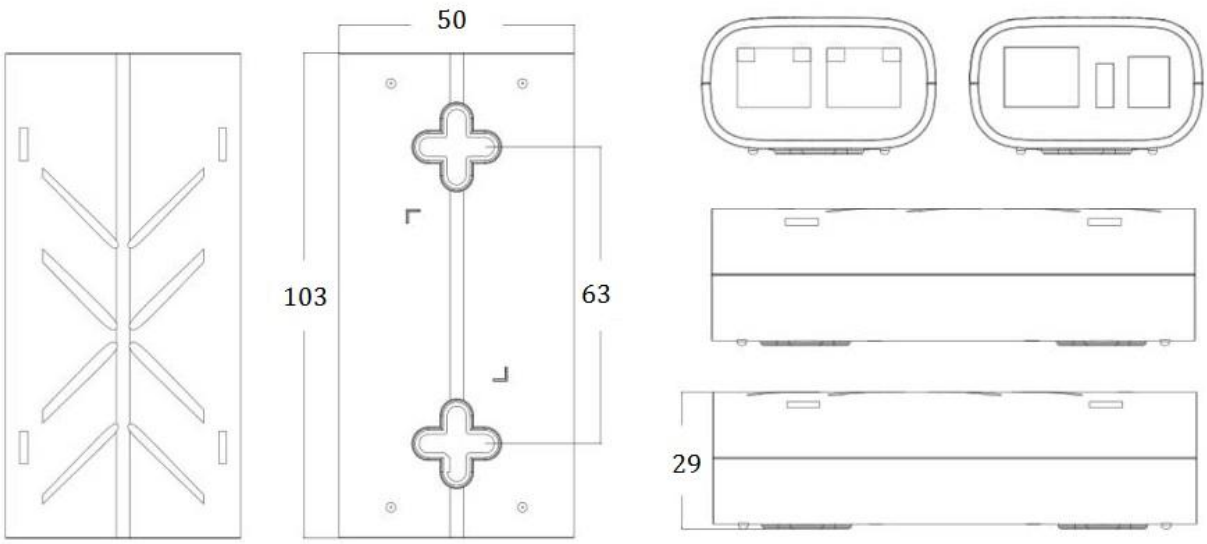
◇ Low power consumption, fan-less silent design, advanced ABS and PC flame-retardant plastic shell is exquisite and beautiful.

TECHNICAL SPECIFICATION

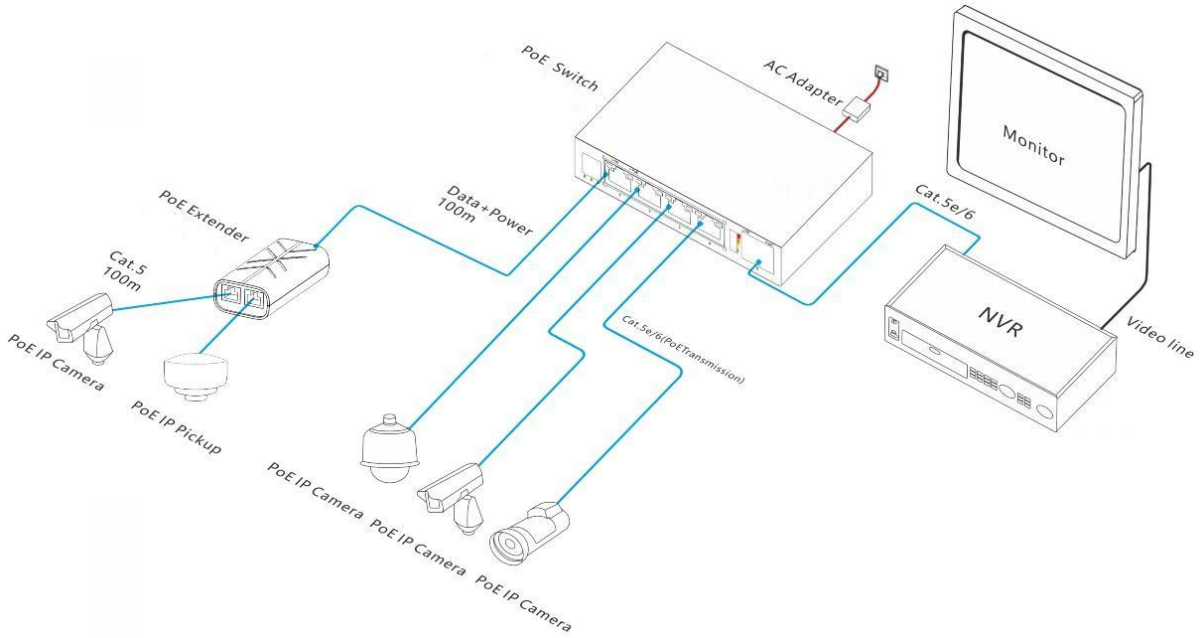
Model	PSE-PD3121L
Interface Characteristics	
Fixed Port	2*10/100Base-TX PoE ports (Data/Power) 1*10/100Base-TX uplink PD RJ45 port (Data/Power)
Ethernet Port	Port 1-3 support 10/100Base-TX auto-sensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter)
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	1.0Gbps(non-blocking)
Forwarding Rate@64byte	0.45Mpps
MAC	1K
Buffer Memory	512K
Jumbo Frame	1536byte
LED Indicator	Power: PWR (Green), Data: Link(Yellow), POE: PoE (Green)
PoE & Power Supply	
PoE Port	Port 2-3, IEEE802.3af/at
Power Supply Pin	Default 1/2 (+) 3/6 (-)
Max Power Per Port	25W, IEEE802.3af/at (Limited by max input power of at)
Total PWR / Input Voltage	25W (PoE)
Power Consumption	Standby<2W, Full load<30W

Input Voltage and Interface	PoE(IEEE802.3af/at), RJ45 port connection
Power Supply	N/A
Physical Parameter	
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+80°C, 5%~95% RH Non condensing
Dimension (L*W*H)	103*50*29mm
Net /Gross Weight	<0.07kg /<0.08kg
Installation	Desktop, Wall-mounted
Certification & Warranty	
Lightning Protection	Port lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	1 year, lifelong maintenance.

DIMENSION



APPLICATION



ORDERING INFORMATION

Model	Description
PSE-PD3121L	Unmanaged PoE extender with 2*10/100M PoE ports and 1*10/100M uplink PD RJ45 port. Port 1- 2 can support IEEE802.3af/at PoE standard. Extend data communication and power supply by 100 meters. (Plastic shell)
PSE-PD3321	Unmanaged PoE extender with 2*10/100/1000M PoE ports and 1*10/100/1000M uplink PD RJ45 port. Port 1- 2 can support IEEE802.3af/at PoE standard. Extend data communication and power supply by 100 meters. (Plastic shell)

PACKING LIST

PACKING LIST	CONTENT	QTY	UNIT
	3-port 10/100M PoE extender	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

RELATED PRODUCT

Model	Description
PSE-PD3104	Unmanaged PoE extender with 4*10/100/100M PoE ports and 1*10/100M uplink PD RJ45 port. Port 1- 4 can support IEEE802.3af/at PoE standard. Extend data communication and power supply by 100 meters. (Plastic shell)
PSE-PD3304	Unmanaged PoE extender with 4*10/100/1000M PoE ports and 1*10/100M uplink PD RJ45 port. Port 1- 4 can support IEEE802.3af/at PoE standard. Extend data communication and power supply by 100 meters. (Plastic shell)
PSE-PD3102	Unmanaged PoE extender with 2*10/100M PoE ports and 1*10/100M uplink PD RJ45 port. Port 1- 2 can support IEEE802.3af/at PoE standard. Extend data communication and power supply by 100 meters. (Metal shell)
PSE-PD3302	Unmanaged PoE extender with 2*10/100/1000M PoE ports and 1*10/100/1000M uplink PD RJ45 port. Port 1- 2 can support IEEE802.3af/at PoE standard. Extend data communication and power supply by 100 meters. (Metal shell)