

## Product Datasheet

# 3-port 10/100M PoE Extender

(ONV-PSE-PD3121S)



## OVERVIEW

ONV-PSE-PD3121S is a 100M 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, IP camera, 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. Plug and play, no configuration, easy to use.

## FEATURE

### ■ 10/100M access, 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 meet 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 meet the needs of PoE power supply in various security scenarios.

### ■ Innovative function

- ◇ PoE extender can extend the network signal transmission distance and the 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

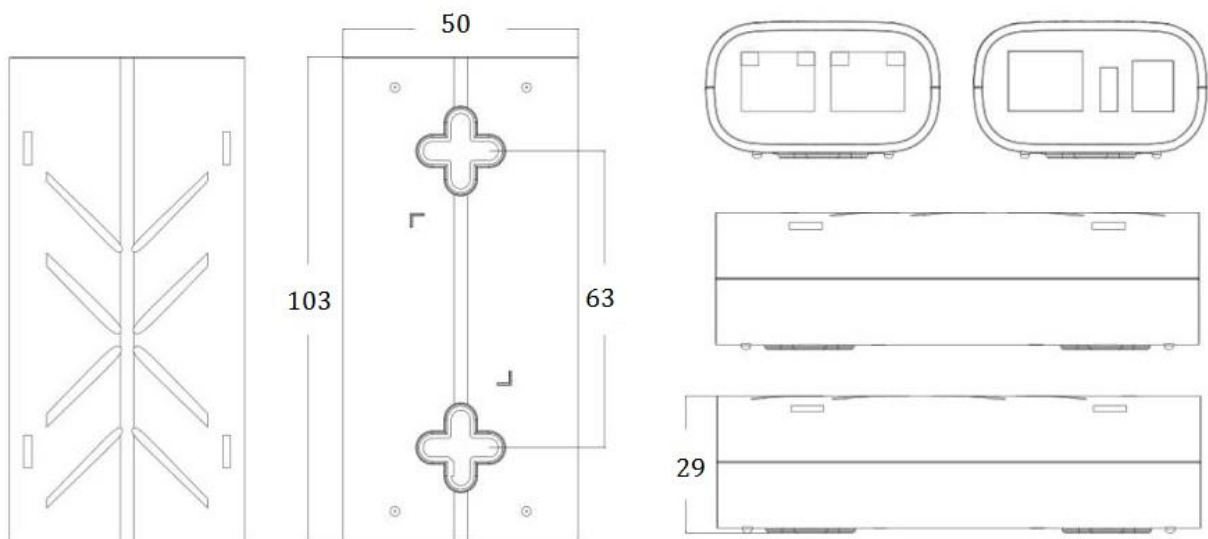
- ◇ CE, FCC, RoHS.
- ◇ Plug and play, no configuration, easy to use and maintain.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, and PoE.
- ◇ Low power consumption, advanced ABS and PC flame-retardant plastic shell is exquisite and beautiful.

## TECHNICAL SPECIFICATION

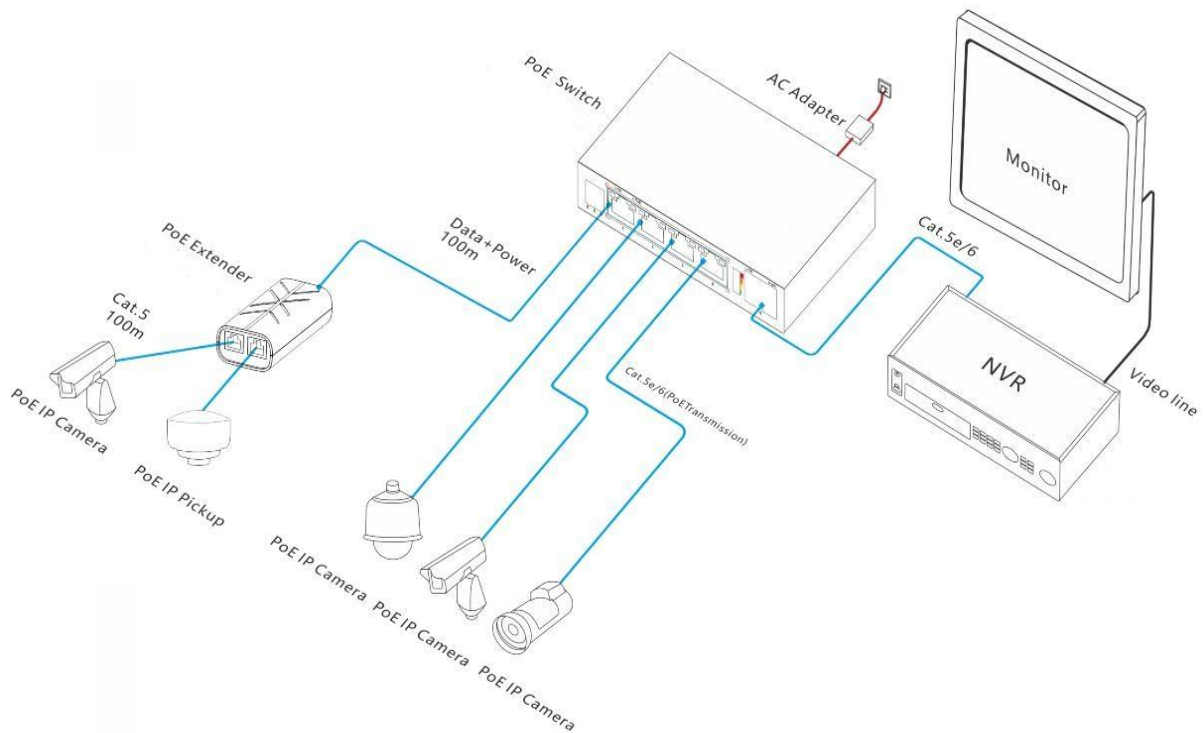
Model	ONV-PSE-PD3121S
<b>Interface Characteristics</b>	
Fixed Port	2*10/100Base-TX PoE ports (Data/Power) 1*10/100Base-TX uplink PD RJ45 port (Data/Power)
Ethernet Port	Port 1-3 support 10/100Base-TX auto-sensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters) 100BASE-TX: Cat5 or later UTP(≤100 meters)
<b>Chip Parameter</b>	
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)
<b>PoE&amp; Power Supply</b>	
PoE Port	Port 2-3, IEEE802.3af/at
Power Supply Pin	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
<b>Physical Parameter</b>	
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)	104*50*29mm
Net /Gross Weight	0.15kg /0.2kg
Installation	Desktop, Wall-mounted
<b>Certification&amp; Warranty</b>	
Lightning Protection	Port lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS
Warranty	1 year, lifelong maintenance

## DIMENSION



## APPLICATION



## ORDERING INFORMATION

Model	Description
ONV-PSE-PD3121S	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)
ONV-PSE-PD3321	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

	Content	Qty	Unit
Packing List	3-port 10/100M PoE extender	1	Set
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

## RELATED PRODUCT

Model	Description
ONV-PSE-PD3304	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)
ONV-PSE-PD3102	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)
ONV-PSE-PD3302	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)

## CONTACT US



Optical Network Video Technologies (Shenzhen) Co., Ltd.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: onv@onv.com.cn

Skype: onv@onv.com.cn

WeChat ID: ONV-PoE-IoT

Website: www.onvcom.com

Headquarter Address: Room 1003, Block D, Terra Building, Futian District, Shenzhen



Factory Address: Building B3, Galaxy Artificial Intelligence Industrial Park, No. 333, Zhongkai 6th Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou