

## Product Datasheet

# 3-port Gigabit PoE Extender

(ONV-PSE-PD3321)



## OVERVIEW

ONV-PSE-PD3321 is a Gigabit PoE extender. It has 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. 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. Plug and play, no configuration, easy to use.

## FEATURE

- Gigabit 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\*10/100/1000Base-T 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\*10/100/1000Base-T 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 network signal transmission distance and PoE power supply distance.
- ◇ PoE Extender does not require an external power supply, easily solving the problem of insufficient bandwidth and power for 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 indicators of PWR, Link, and PoE.
- ◇ Low power consumption, fanless silent design, advanced ABS and PC flame-retardant plastic shell is exquisite and beautiful.

## TECHNICAL SPECIFICATION

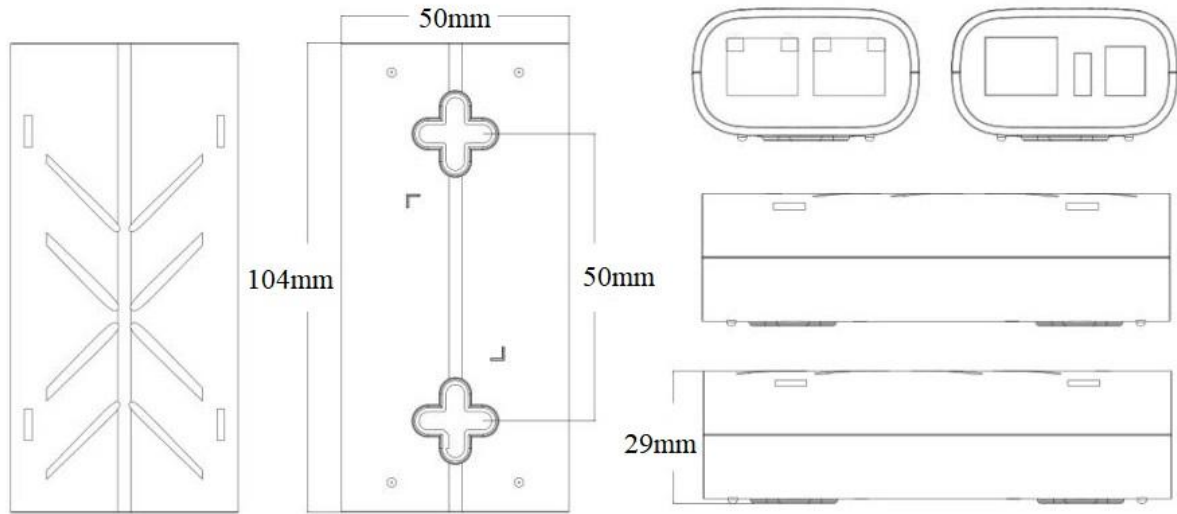
Model	ONV-PSE-PD3321
<b>Interface Characteristics</b>	
Fixed Port	2*10/100/1000Base-T PoE ports (Data/ Power) 1*10/100/1000Base-T uplink PD RJ45 port (Data/ Power)

Ethernet Port	Port 1-3 support 10/100/1000Base-T 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) 1000BASE-T: Cat5e or later UTP(≤100 meters)
<b>Chip Parameter</b>	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3x
Forwarding Mode	Store and forward (Full wire speed)
Switching Capacity	12Gbps(non-blocking)
Forwarding Rate@64byte	4.46Mpps
MAC	2K
Buffer Memory	2M
Jumbo Frame	9.2K
LED Indicator	Power: PWR (Green), Data: Link(Yellow), POE: PoE (Green)
<b>PoE&amp; Power Supply</b>	
PoE Port	Port 2-3 support 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°C~+55°C, 5%~90% RH non-condensing
Storage TEMP/ Humidity	-40°C~+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

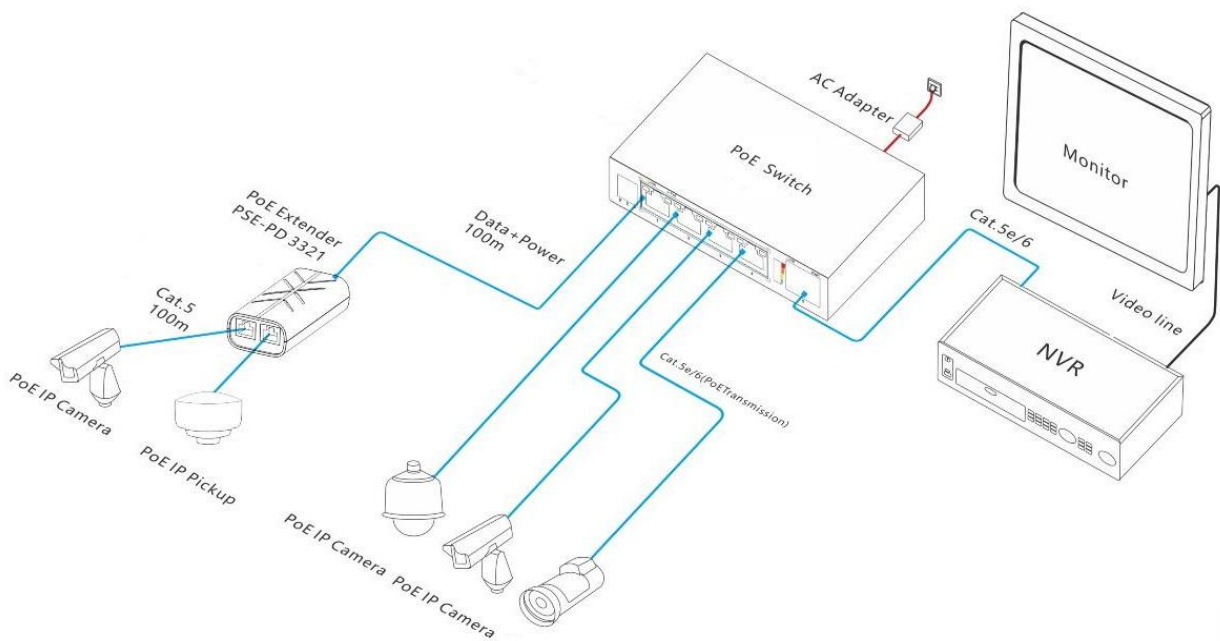
### Certification & Warranty

Lightning Protection	4KV 8/20us, Protection level: IP30
Certification	CE mark, commercial, CE/LVD EN60950, FCC Part 15, RoHS
Warranty	3 years, lifelong maintenance

## DIMENSION



## APPLICATION



## ORDERING INFORMATION

Model	Description
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 Gigabit PoE extender	1	Set
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

## RELATED PRODUCT

Model	Description
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)
ONV-PSE-PD3121L	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-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)
----------------	--

## CONTACT US

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

Tel: 0086-755-33376606

Fax: 0086-755-33376608

WeChat: ONV-PoE-IoT

Email: onv@onv.com.cn

Skype: onv@onv.com.cn

Teams: onv@onv.com.cn

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

