

## Product Datasheet

# 3-port 10/100M PoE Extender

(ONV-PSE-PD3102)



## OVERVIEW

The ONV-PSE-PD3102 is a 1/100M PoE Extender with 2\*10/100M PoE ports and 1\*10/100M uplink RJ45 port. Port 1-2 can support the IEEE 802.3 af/at PoE standard, single-port PoE power output of up to 30W. The uplink port, being the power receiving port, requires an input power greater than 24W to meet the PoE power supply requirements of ports 1-2. As a PoE power supply device, it can automatically detect and identify compliant powered devices and supply power to them via Ethernet cable. It can power PoE terminal devices such as wireless APs, network cameras, VoIP phones, and video intercoms via Ethernet cable, meeting the needs of network environments requiring high-density PoE power supply. It provides lossless bandwidth for twisted-pair PoE transmission applications within a 200-meter range, making it suitable for hotels, campuses, industrial parks, scenic areas, factory dormitories, and small and medium-sized enterprises to build cost-effective networks. Plug and play, no configuration, easy to use.

## FEATURE

- 10/100M access

- ◇ 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

- ◇ 2\*10/100Base-TX RJ45 ports support PoE power supply to meet the needs of PoE power supply in various security scenarios.
- ◇ Complies with IEEE 802.3 af/at PoE standard and automatically identifies PoE devices for power supply without damaging non-PoE devices. The max PoE output power is 24W, and single-port max PoE output power is 30W.

#### ■ Innovative function

- ◇ 24W power supply via repeater port, simultaneous use of 8 cores effectively reduces line loss and ensures PoE output power meets usage requirements.
- ◇ No external power supply is required for PoE extender operation, easily providing sufficient bandwidth and power for network cable transmission within 200 meters.

#### ■ Stable and reliable

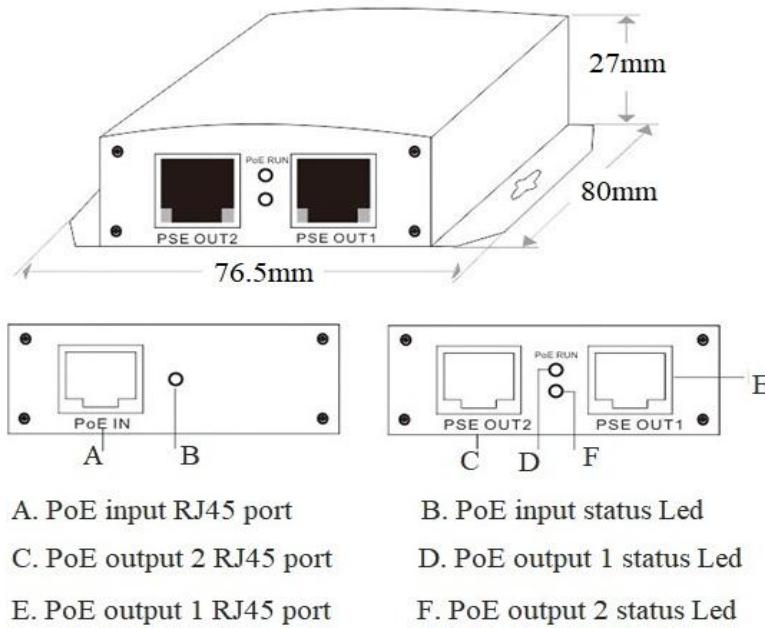
- ◇ CE, FCC, RoHS.
- ◇ Low power consumption, fanless quiet design, metal shell, excellent heat dissipation.
- ◇ PoE extender does not require an external power supply when working and can solve network cable transmission within 200 meters.

## TECHNICAL SPECIFICATION

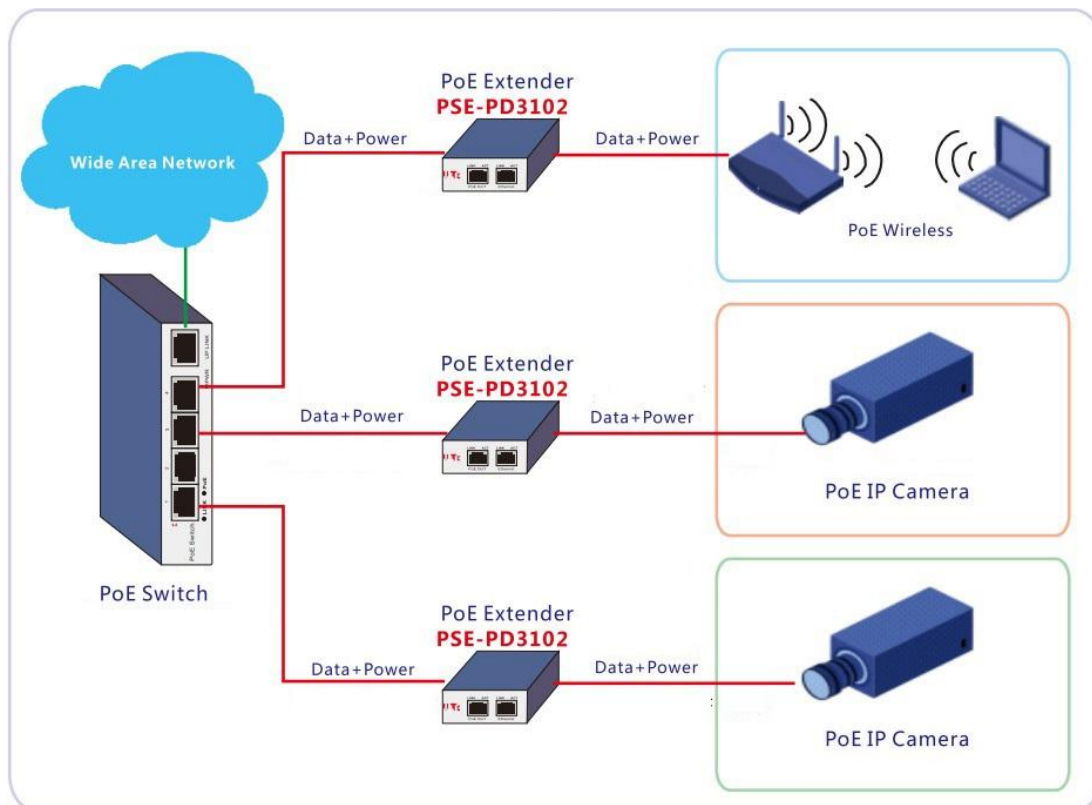
Model	ONV-PSE-PD3102
<b>Interface Characteristics</b>	
Fixed Port	2*10/100Base-TX PoE ports (Data/Power) 1*10/100Base-TX uplink power receiving port (Data/Power)

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	1.6Gbps(non-blocking)
Forwarding Rate@64byte	0.45Mpps
MAC	1K
Buffer Memory	98K
LED Indicator	Power: PWR (Green), POE: PoE (Green)
<b>PoE&amp; Power Supply</b>	
PoE Port	Port 1-2
Power Supply Pin	1/2,4/5(+),3/6,7/8(-)
Max Power Per Port	30W
Total Power	24W
Power Consumption	Standby<1W, full load<24W
<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)	80*76.5*27mm
Net /Gross Weight	0.2kg /0.3kg
Installation	Desktop, wall-mounted
<b>Certification&amp; Warranty</b>	
Lightning Protection	4KV 8/20us, Protection level: IP30
Certification	CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS
Warranty	3 years, lifelong maintenance

## DIMENSION



## APPLICATION



## ORDERING INFORMATION

Model	Description
ONV-PSE-PD3102	PoE extender with 2*10/100M RJ45 ports and 1*10/100M uplink RJ45 port. Port 1-2 support IEEE802.3 af/at PoE standard, and the uplink port supports 24W PoE input.

## 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-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-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)
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

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