Product Datasheet

3-port 10/100M PoE Extender

(ONV-PSE-PD3102)

OVERVIEW

The ONV-PSE-PD3102 is an unmanaged PoE extender with 2*10/100M RJ45 ports and 1*10/100M uplink RJ45 port. Port 1-2 supports IEEE 802.3 af/at PoE standard. Single-port PoE power max is 30W and PoE output power max is 24W. The uplink port is a power receiving port and the input power must be greater than 24W to meet the PoE power supply requirements of port 1-2. As a PoE power supply device can automatically detect and identify powered devices that meet standards and power them through network cables. It can supply power to PoE terminal equipment such as wireless AP, IP camera, Internet phone, and video door intercom through network cables, meeting the network environment that requires a high-density PoE power supply and solves twisted-pair PoE transmission within a range of 200 meters without loss of bandwidth. application. It is suitable for hotels, campuses, parks, scenic spots, factory dormitories, and SMB small and medium-sized enterprises to establish cost-effective networks.

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

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FEATURE

■ **10/100M access, Uplink power receiving 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**

◇ 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.

■ **Stable and reliable**

◇ CCC, 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
Interface Characteristics	
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

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Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters)
	100BASE-TX: Cat5 or later UTP(≤100 meters)

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	1.6Gbps(non-blocking)
Forwarding Rate@64byte	0.45Mpps
MAC	1K
Buffer Memory	98K
LED Indicator	Power: PWR (Green), POE: PoE (Green)

PoE & Power Supply

PoE Port	Port 1 to 2
Power Supply Pin	1/2(+) 3/6(-)
Max Power Per Port	30W
Total Power	24W
Power Consumption	Standby<1W, Full load<24W

Physical Parameter

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)	78*77*27mm
Net /Gross Weight	<0.11kg /<0.16kg
Installation	Desktop, wall mount

Certification & Warranty

Lightning Protection	Port lightning protection: 4KV 8/20us, Protection level: IP30

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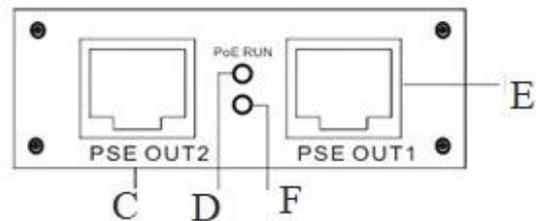| Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	3 years, lifelong maintenance.

DIMENSION
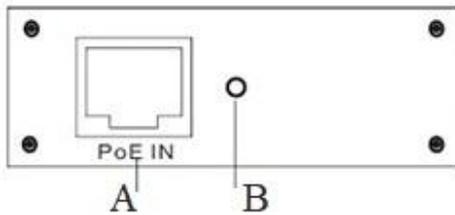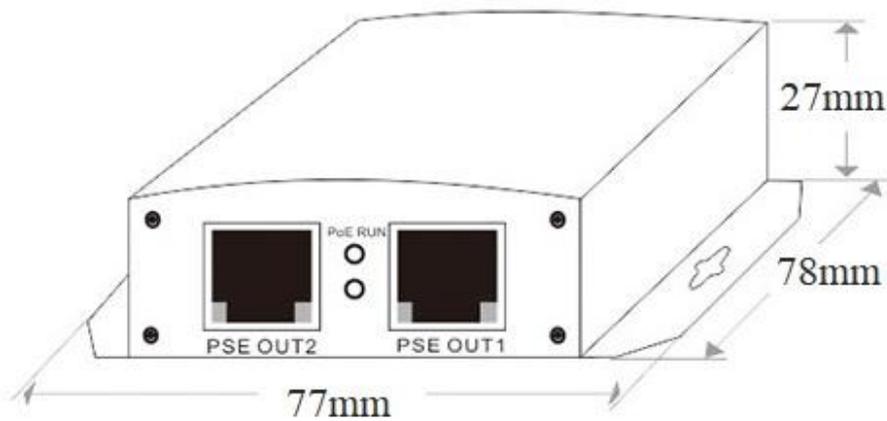
A. PoE input RJ45 port

B. PoE input status Led

C. PoE output 2 RJ45 port

D. PoE output 1 status Led

E. PoE output 1 RJ45 port

F. PoE output 2 status Led

APPLICATION
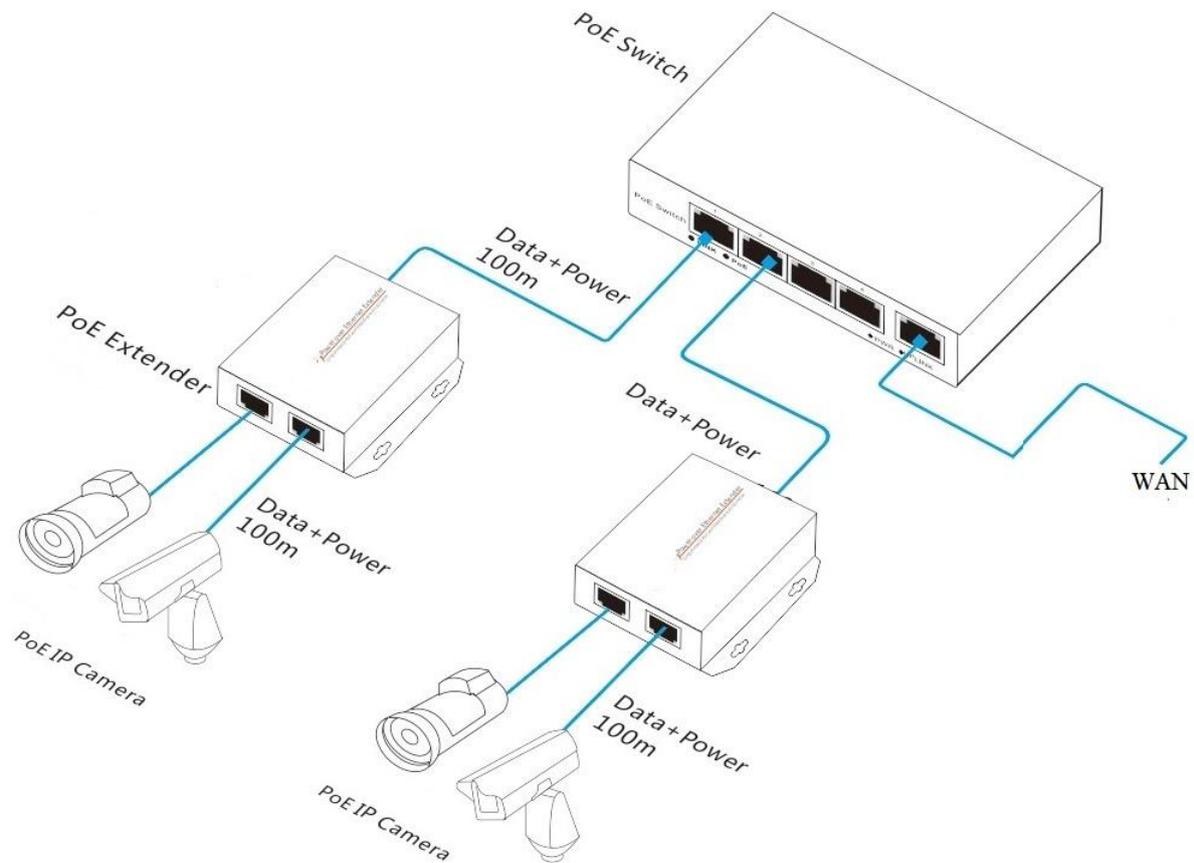
ORDERING INFORMATION

Model	Description
ONV-PSE-PD3102	Unmanaged PoE extender with 2*10/100M RJ45 ports and 1*10/100M uplink RJ45 port. Port 1-2 support IEEE 802.3 af/at PoE standard, and the uplink port supports 24W PoE input.

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PACKING LIST

Content	Qty	Unit
Packing List	3-port 10/100M PoE extender	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

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

Website: www.onvcom.com

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

Factory Address: Floor 4-6, Building A, Senyutai Industrial Park, No. 111, Huaning Road, Xinshi

Community, Dalang Street, Longhua District, Shenzhen, China

+86 755 33376606
Optical Network Video Technologies (Shenzhen) Co., Ltd. **ONV**