

Product Datasheet

4-port Gigabit PoE Extender

(ONV-PSE-PD3304)



OVERVIEW

The ONV-PSE-PD3304 is a Gigabit PoE extender independently developed by ONV. It has 5*10/100/1000M RJ45 ports. Port 1-4 support IEEE 802.3 af/at PoE standard, single port PoE power up to 30W, max PoE output power is 60W. The uplink port input power must be greater than 60W to meet the PoE power requirements of ports 1-4. As a PoE power supply device, it can automatically detect and identify standard-powered devices and supply power to them through network cables. It can supply power to POE terminal equipment such as wireless AP, IP camera, Internet phone, video door intercom, etc. through the network cable, to meet the network environment that requires a high-density PoE power, and to solve the twisted pair PoE transmission application within 200 meters. It is suitable for hotels, campuses, parks, scenic spots, factory dormitories, and SMB small and medium-sized enterprises to form cost-effective networks. Plug and play, no configuration, easy to use.

FEATURE

■ Gigabit access, uplink RJ45 port

- ◇ Support non-blocking wire-speed forwarding for smoother transmission.
- ◇ IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control.
- ◇ 5*10/100/1000Base-T RJ45 ports, the uplink port is a power receiving port. Convenient and flexible networking to meet the network power supply and transmission within 200 meters.

■ Smart PoE power supply

- ◇ IEEE802.3af /at PoE standard automatically identifies PoE devices for power without damaging non-PoE devices.
- ◇ 4*10/100/1000Base-T RJ45 ports support PoE power to meet the PoE power supply requirements of security scenarios.

■ Innovative function

- ◇ High-power receiving port (60W) relay power, 8 cores are used at the same time, effectively reducing line loss and ensuring that the PoE output power meets the use requirements.
- ◇ PoE Extender does not need an external power supply when it works, and it solves the problem of sufficient 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 indicators of PWR, Link, and PoE.
- ◇ Low power consumption, no fan, galvanized steel shell, excellent heat dissipation to ensure stable operation of the PoE extender.

TECHNICAL SPECIFICATION

| Model | ONV-PSE-PD3304 |
|----------------------------------|---|
| Interface Characteristics | |
| Fixed Port | 4*10/100/1000Base-T PoE ports (Data/ Power) 1*10/100/1000Base-T uplink PD power receiving port (Data/ Power) |
| Ethernet Port | Port 1-4 support 10/100/1000Base-T(X) 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-TX: Cat5e or later UTP(≤100 meters) |
| Chip Parameter | |
| 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 | 7.4Mbps |
| MAC | 2K |
| Buffer Memory | 2M |
| LED Indicator | Power: PWR (Green), Network : Link (Yellow), Function switch: EXTEND (Green), PoE: PoE (Green) |
| PoE& Power Supply | |
| PoE Port | Port 1 to 4 IEEE 802.3 af/at |
| Power Supply Pin | 1/2 4/5(+) 3/6 7/8(-) |
| Max Power Per Port | 30W |
| Total Power | 60W |
| Power Consumption | Standby<5W, full load<60W |
| Physical Parameter | |
| Operation TEMP/ Humidity | -20°C~+55°C, 5%~90% RH non-condensing |

| | |
|------------------------|---|
| Storage TEMP/ Humidity | -40°C~+80°C, 5%~90% RH non-condensing |
| Dimension | 118*85*28mm |
| Net /Gross Weight | 0.3kg/ 0.4kg |
| Installation | Desktop, wall-mounted |
| Lightning Protection | Port 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 |

ORDERING INFORMATION

| Model | Description |
|----------------|--|
| ONV-PSE-PD3304 | PoE extender with 4*10/100/1000M RJ45 ports and 1*10/100/1000M uplink RJ45 port. Port 1-4 support IEEE 802.3 af/at PoE standard, and the uplink port supports 60W PoE input. |

PACKING LIST

| | Content | Qty | Unit |
|--------------|---|-----|------|
| Packing List | 4-port Gigabit PoE extender | 1 | Set |
| | Mounting Kits | 1 | Set |
| | User Guide | 1 | PC |
| | Warranty Card and Certificate of Conformity | 1 | PC |

CONTACT US

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