

Product Datasheet

Gigabit BT PoE Splitter

(ONV-PD3401G-12/24)



OVERVIEW

ONV-PD3401G-12/24 is a Gigabit BT PoE splitter. It adopts advanced adaptive gigabit switching technology, with 1*100/100/1000M bt PoE input port supporting IEEE802.3bt standard (compatible with af/at standard), 1*10/100/1000M adaptive RJ45 port and one adjustable DC output terminal.

Its core advantage lies in its powerful power supply capability and flexible voltage configuration: it can freely switch between 12V/24V DC output through a dip switch, with a maximum load power of up to 60W, and can stably drive various high-power terminal devices. It perfectly solves the power bottleneck problem in the deployment of high-power devices, especially suitable for high-definition PTZ network ball machines and intelligent security equipment, high-power commercial wireless APs and IoT gateways, professional network audio equipment and multimedia systems, intelligent lighting systems and PoE power supply terminals

Plug and play, no configuration. By separating network signals from power output, it not only

maintains data transmission quality but also provides stable power for traditional non-PoE devices, making it an ideal choice for building modern intelligent network infrastructure.

FEATURE

■ Flexible expansion and convenient connection

- ◇ Support IEEE802.3af/at/bt standard protocol connection, automatic power identification, and classification to ensure long-term stable operation of high-power equipment.
- ◇ DC-DC conversion, safe and reliable to use. The output DC voltage is optional at DC12V/24V, meeting the power supply needs of the vast majority of network terminal products in the market.

■ Stable and reliable

- ◇ CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel can show the device work status through the LED indicators of PWR and 12V/24V output.
- ◇ Low power consumption, no fan, aluminum alloy housing, and excellent heat dissipation to ensure the stable operation of the PoE splitter.

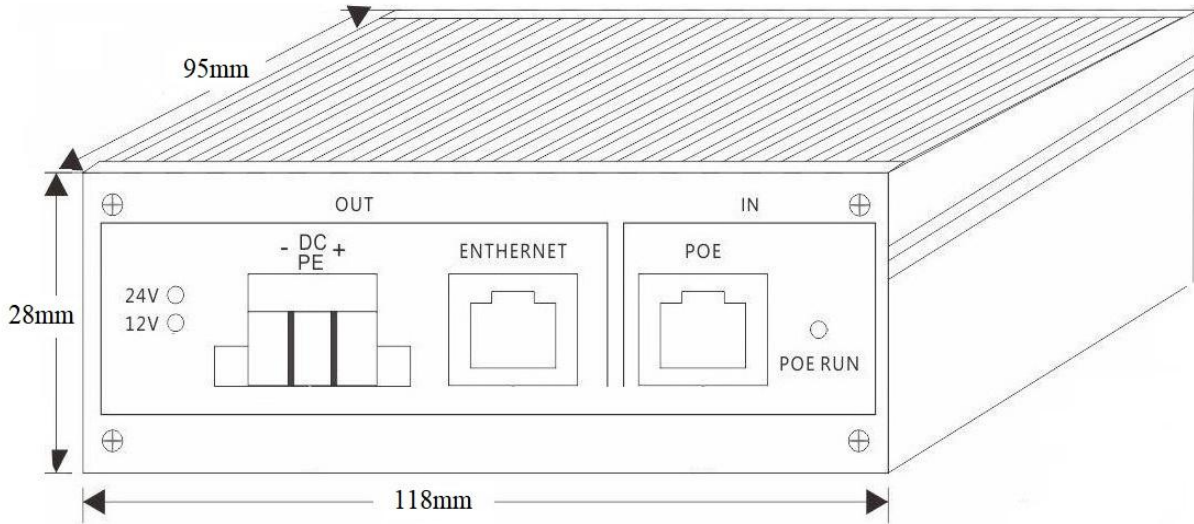
TECHNICAL SPECIFICATION

| Model | ONV-PD3401G-12/24 |
|----------------------------------|---|
| Interface Characteristics | |
| Fixed Port | 1*3P plug-in output terminal 1*10/100/1000M uplink RJ45 port (Data) 1*10/100/1000M bt PoE power receiving RJ45 port (Data/ Power) |
| Ethernet Port | 10/100/1000Base-T auto-sensing, full/ half duplex MDI/MDI-X self-adaption |
| Network Protocol | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3x |

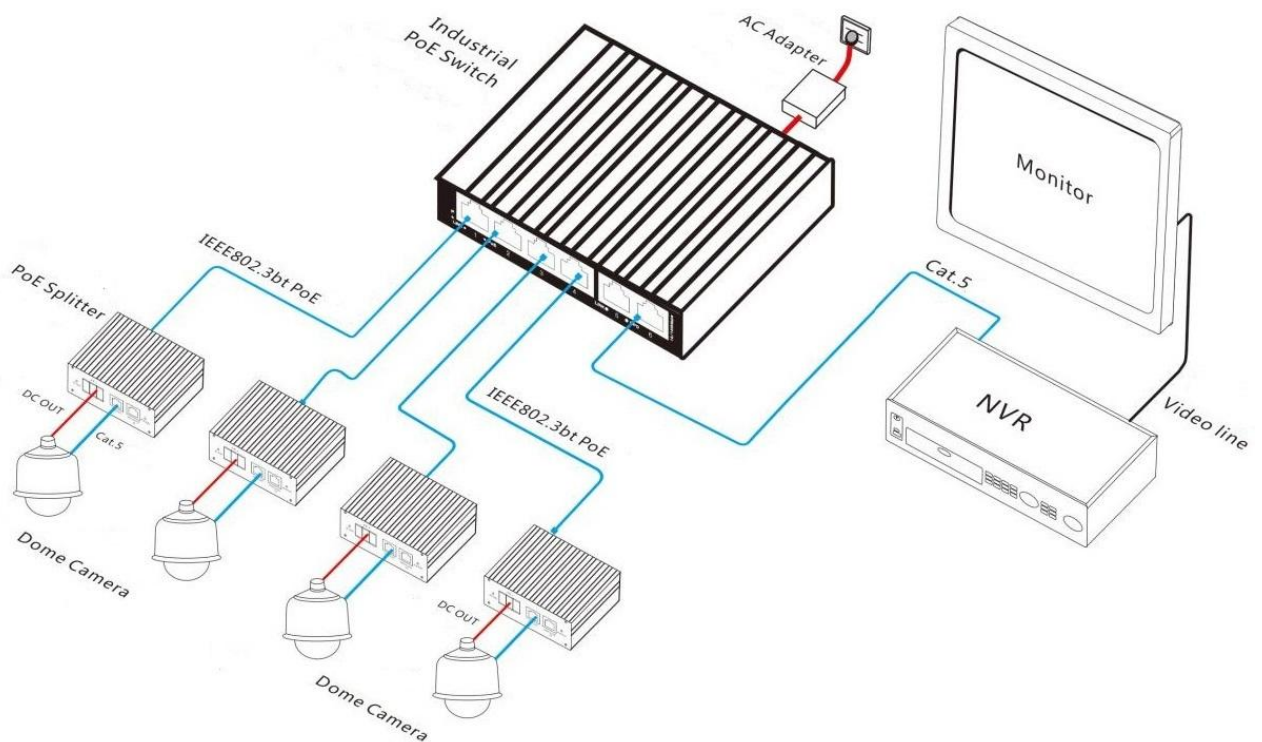
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|------------------------------------|--|
| Twisted Pair Transmission | 10BASE-T: Cat3,4,5 UTP (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T: Cat5e or later UTP (≤100 meters) |
| LED Indicator | Power: DC12V (Yellow), DC24V (Red), PoE: PoE (Green) |
| PoE Power Supply | |
| PoE Port | PoE port support 90W bt PoE input and is backward compatible with IEEE802.3af/at |
| Power Receiving Standard | IEEE802.3af/at/bt, default 1/2(+)/3/6(-) & 4/5(+)/7/8(-) |
| Rated Input Voltage | DC48-57V |
| Max Output Power/ Voltage | 60W/ DC12V±0.5V or 60W/ DC24V±0.5V |
| Power Consumption | Standby<2W, full load≤60W |
| Efficiency | ≥81.5% |
| Ripple and Noise | Under the condition of rated output power, output ripple: 100mV /Vp-p(max) Rise Time: When input48Vdc and output max load, the max time is 50ms. Startup Delay Time: When input 48Vdc and output max load, the max startup time is 2S. |
| Short circuit Protection | Normal operation can be resumed after the load short circuit is removed. |
| Over-current Protection | The power supply will automatically resume normal operation after the over-current fault is removed. |
| Physical Parameter | |
| Operation Temp/ Humidity | -20°C~+55°C, 5%~90% RH non-condensing |
| Storage Temp/ Humidity | -40°C~+60°C, 5%~95% RH non-condensing |
| Dimension | 118*95*28mm |
| Net /Gross Weight | 0.3kg /0.35kg |
| Installation | Desktop, wall-mounted, DIN Rail |
| Certification& Warranty | |
| Lightning Protection | Port lightning protection: 4KV 8/20us, Protection level: IP40 |

| | |
|---------------|--|
| Certification | CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS |
| Warranty | 3 year, lifelong maintenance |

DIMENSION



APPLICATION



ORDERING INFORMATION

| Model | Description |
|-------------------|---|
| ONV-PD3401G-12/24 | Gigabit BT PoE splitter with 1*10/100/1000M power receiving RJ45 port and 1*10/100/1000M uplink RJ45 port and 1*DC port. The default DC output voltage is DC12V/24V (optional). |

PACKING LIST

| Packing List | Content | Qty | Unit |
|--------------|---|-----|------|
| | Gigabit BT PoE splitter | 1 | PC |
| | User guide, warranty card and certificate of conformity | 1 | PC |

CONTACT US



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