

Product Datasheet

Gigabit PoE Splitter

(ONV-PD3301S)



OVERVIEW

The ONV-PD3301S is a Gigabit PoE splitter independently developed by ONV. It has 1*RJ45 input port, 1*RJ45 output port, and 1*DC5521 socket. The DC5V/12V output voltage selector switch allows various non-PoE network terminals to connect to PoE switches, effectively solving the limitations of powerline layout in security monitoring and wireless networks, simplifying system cabling, improving system stability and security, and reducing maintenance costs.

ABS+PC flame-retardant plastic, it has a compact and exquisite appearance. It complies with PoE standard IEEE802.3 af/at and is compatible with both end-span (1,2+, 3,6-) and mid-span (4,5+, 7,8-) power supply modes. It boasts a high output power of up to 24W, low ripple, and >82% efficiency. 2KV port isolation with short-circuit, overcurrent, and overtemperature protection. Plug-and-play requires no configuration and is simple and convenient to use.

FEATURE

- ◇ Gigabit speed adaptive, 8-pin copper cable RJ45 port.
- ◇ Support short-circuit, overcurrent, and overtemperature protection.

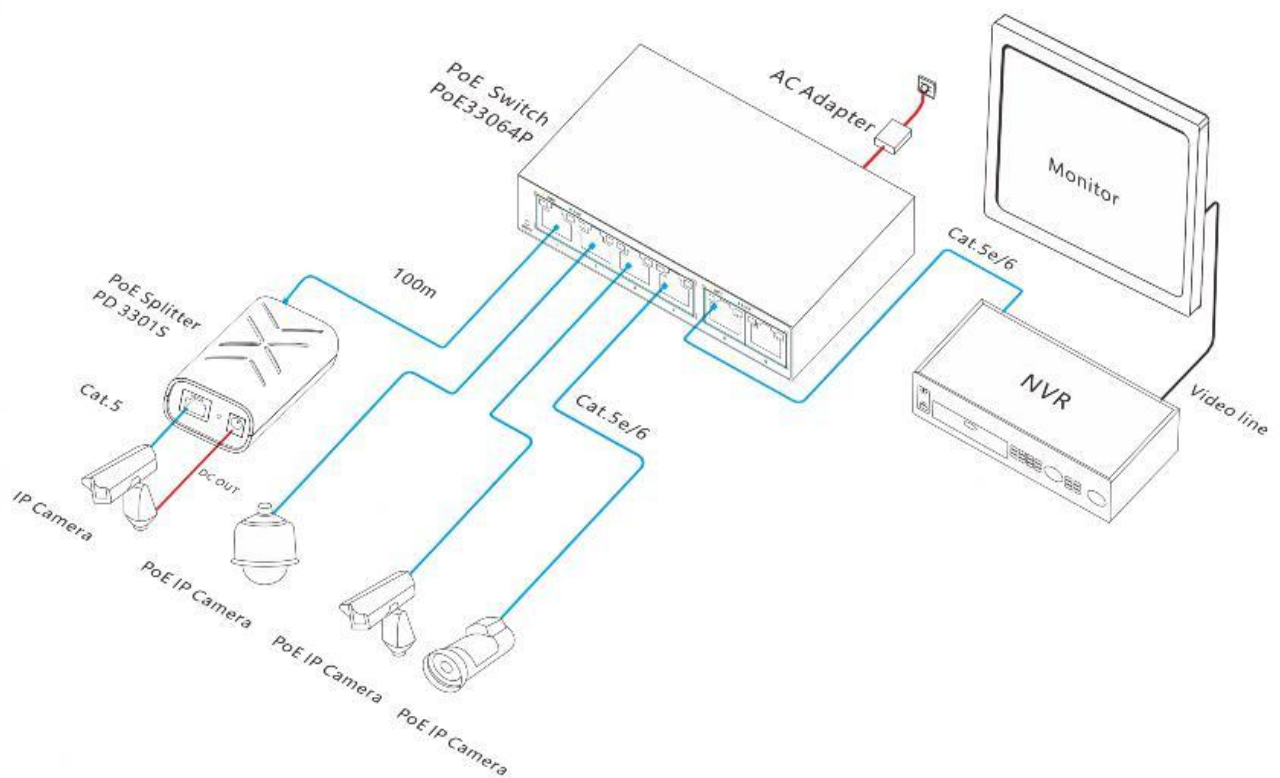
- ◇ Input voltage 44-57VDC, rated output power 12W, greater than 82% efficiency.
- ◇ Output voltage selectable 5V/12VDC, compatible with various network terminals.
- ◇ 2000V high-voltage isolation (input stage to output stage), less than 200mV output ripple.
- ◇ Compliant with IEEE 802.3 af/at PoE standard, compatible with MID-Span and END-Span.

TECHNICAL SPECIFICATION

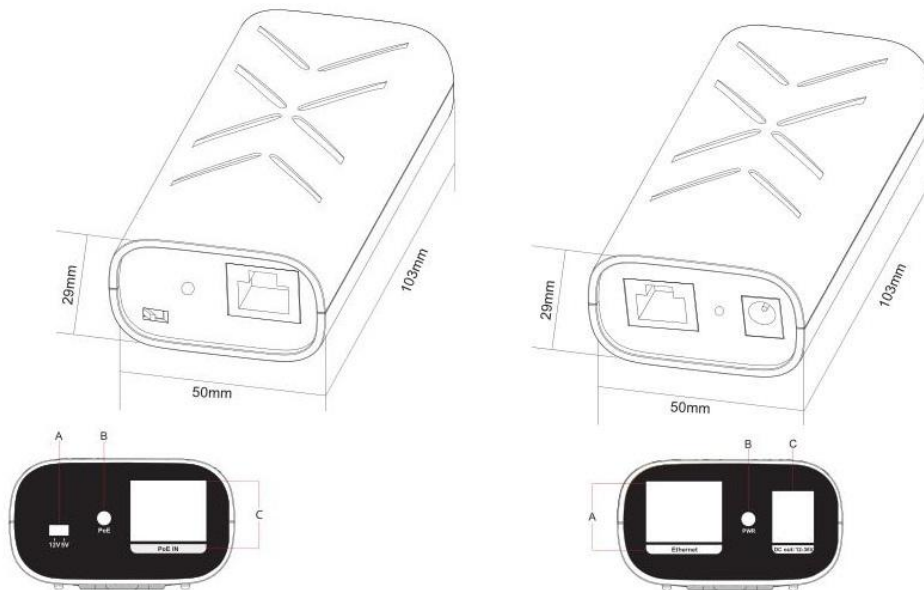
Model	ONV-PD3301S
Interface Characteristics	
Fixed Port	1*DC5521 power socket (Power) 2*10/100/1000Base-T RJ45 ports (Data)
Ethernet Port	10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Network Characteristics	
Transmission Rate	10/100/1000M
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T: Cat5e or later UTP (≤100 meters)
Output Voltage Switch	12V: DC12V output voltage (Default) 5V: DC5V output voltage
Network Protocol& Indicator	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3x
LED Indicator	POE: POE (Green), Power: PWR (Green)
PoE& Power Supply	
PoE Port	IEEE802.3af/at
Power Supply Pin	1/2(+),3/6(-)& 4/5(+),7/8(-)
Input Voltage	44-57VDC
Output Voltage	Default 12VDC±0.5V, optional 5VDC±0.5V
Power Consumption	Standby<1W, full load<24W

Conversion Efficiency	≥82%
Physical Parameter	
Operation TEMP/ Humidity	-20°C~+55°C, 5%~90% RH non-condensing
Storage TEMP/ Humidity	-40°C~+85°C, 5%~95% RH non-condensing
Dimension	104*50*29mm
Net/ Gross Weight	0.15kg /0.2kg
Lightning Protection	4KV 8/20us, Protection level: IP30
Warranty	3 years, lifelong maintenance

APPLICATION



DIMENSION



A. DC12V/5V output switch B. PoE input work indicator C. PoE input port A. RJ45 port B. Power output indicator C. DC power output port

ORDERING INFORMATION

Model	Description
ONV-PD3301S	Gigabit non-isolated PoE splitter compatible with IEEE802.3af/at PoE standard and 1236 & 4578 dual-mode power supply. input voltage 44-57VDC and output voltage DC5V/12V optional, and maximum full load power is 24W.

PACKING LIST

Packing List	Content	Qty	Unit
	Gigabit PoE splitter	1	PC
	User Guide, Warranty Card and Certificate of Conformity	1	PC

RELATED PRODUCT

Model	Description
ONV-PD5201	10/100M non-isolated PoE splitter cable compatible with IEEE802.3af/at PoE standard and 1236 & 4578 dual-mode power supply. input voltage DC44-57V and output voltage DC12V, and max full load power is 15W.
ONV-PD5202	10/100M non-isolated PoE splitter cable compatible with IEEE802.3af/at PoE standard and 1236 & 4578 dual-mode power supply. input voltage DC44-57V and output voltage DC12V, and max full load power is 13W.
ONV-PD5202-at	10/100M isolated high power PoE splitter cable compatible with IEEE802.3af/at PoE standard and 1236 & 4578 dual-mode power supply. input voltage DC44-57V and output voltage DC12V, and max full load power is 24W.
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).

CONTACT US

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