

# Gigabit PD PoE Splitter

(PD3301S)



## OVERVIEW

PD3301S is a gigabit PD PoE splitter independently developed by ONV. It has a 1\*RJ45 input port, 1\*RJ45 output port, and 1\*DC5521 socket. Its DC5V/12V output voltage selection switch is to meet the use of various non-PoE network terminals to connect to PoE switches. Effectively solving security monitoring, wireless networks, Limited by the power line layout, reduced system wiring, improved system stability and safety, and reduced maintenance costs.

PD3301S PoE splitter adopts ABS and PC flame-retardant plastic material. It complies with IEEE802.3 af/at PoE standard, end-span (1,2+, 3,6-), and mid-span (4,5+, 7,8-) two power supply modes. The output power is up to 24W. Low ripple, >82% efficiency, 2KV port protection isolation. It has short-circuit, over-current, over-temperature protection. Plug and play, no configuration, easy to use.

## FEATURE

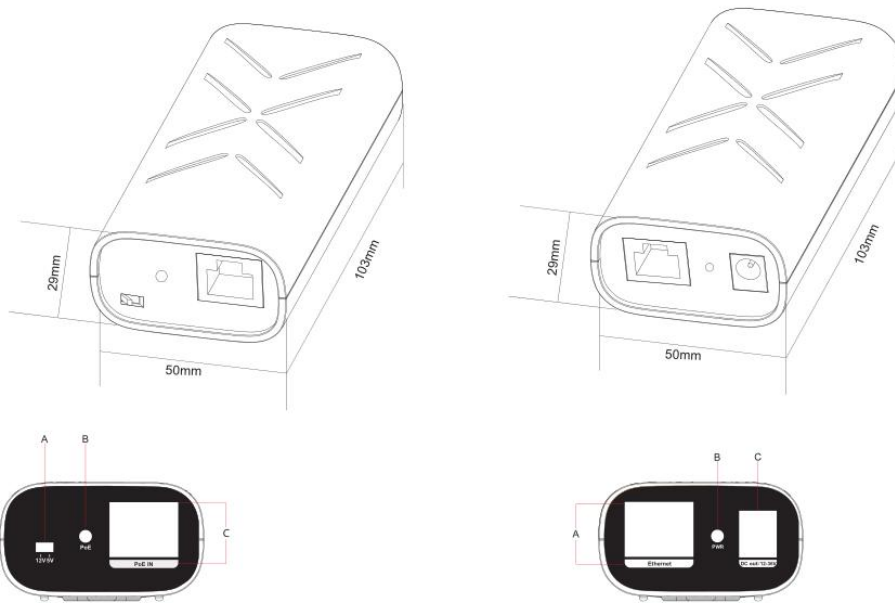
- ◇ Gigabit rate self-adaption, 8P copper cable RJ45 port.
- ◇ Support IEEE802.3af/at standard, Both mid-span ( 4/5+, 7/8- ) and end-span ( 1/2+, 3/6- )
- ◇ Output voltage 5V/12VDC optional, suitable for various network terminals
- ◇ Input voltage 44-57VDC, rated output power 12W, greater than 82% efficiency
- ◇ Short circuit, over-current and over-temperature protection
- ◇ 2000V high voltage isolation (input stage to output stage), less than 200mV output ripple

## TECHNICAL SPECIFICATION

Model	PD3301S
<b>Interface Characteristics</b>	
Fixed Port	2*10/100/1000Base-T RJ45 ports (Data) 1*DC5521 power socket(Power)
Ethernet Port	Ethernet port can support 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption
<b>Network Characteristics</b>	
Transmission Bandwidth (Rate)	10/100/1000Mbps
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)
Output Voltage	12V: DC12V output voltage (default)
Switch	5V: DC5V output voltage
<b>Network Protocol and Indicator</b>	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T

	IEEE802.3x
LED Indicator	PoE indicator: POE (green), Power indicator: PWR (green)
<b>PoE &amp; Power Supply</b>	
PoE Port (PD)	PD port IEEE802.3af/at @ POE
	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3x
Power Supply Pin	1/2 (+), 3/6 (-), & 4/5 (+), 7/8 (-)
Input Voltage	44-57VDC
Output Voltage	Default 12VDC $\pm 0.5V$ , optional 5VDC $\pm 0.5V$
Power Consumption	Standby<1W, Full Load<24W
Conversion Efficiency (Output: Input)	$\geq 82\%$
<b>Physical Parameter</b>	
Operation TEMP / Humidity	-20~+55°C; 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C; 5%~95% RH Non condensing
Dimension (L*W*H)	103*50*29mm
Net /Gross Weight	<0.08kg /<0.1kg
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection level: IP30
Warranty	3 years, lifelong maintenance.

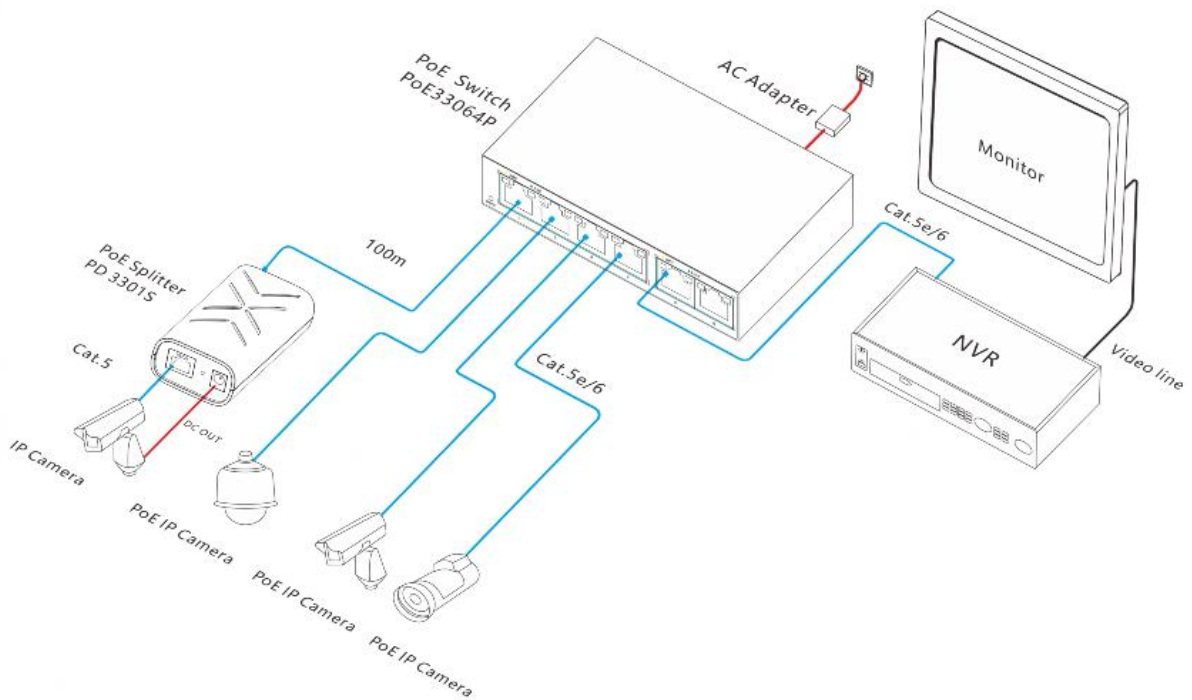
## DIMENSION



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

## APPLICATION



## ORDERING INFORMATION

Model	Description
PD3301S	Gigabit non-isolated PD PoE splitter can support IEEE802.3af/at standard, compatible with 1236&4578 dual mode power supply. input voltage: 44-57VDC, output voltage: optional 5V/12VDC, and maximum full load power is 24W.

## PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	Gigabit PD PoE splitter	1	SET
	Warranty Card	1	PC

## RELATED PRODUCT

Model	Description
PD5201	10/100M non-isolated PD PoE splitter cable can support IEEE802.3af/at standard, compatible with 1236&4578 dual mode power supply. input voltage: 44-57VDC, output voltage: 12VDC, and maximum full load power is 15W.
PD5202	10/100M isolated PD PoE splitter cable can support IEEE802.3af/at standard, compatible with 1236&4578 dual mode power supply. input voltage: 44-57VDC, output voltage: 12VDC, and maximum full load power is 13W.

PD3202-at	10/100M isolated high power PD PoE splitter cable can support IEEE802.3af/at standard, compatible with 1236&4578 dual mode power supply. input voltage: 44-57VDC, output voltage: 12VDC, and maximum full load power is 24W.
PD1201W-2412	10/100M non-isolated waterproof PD PoE splitter cable. 24V non-standard, input voltage: 20-26VDC, output voltage: 12VDC, and maximum full load power is 15W. it support 4578 power supply.