

**Datasheet and User Manual**

**SPL-G01-5V12V, Gigabit PoE Splitter**



**OVERVIEW**

SPL-G01-5V12V is a gigabit PD PoE splitter. It has one RJ45 POE input port, one RJ45 Data output port, and one DC5521 socket. Its output power DC5V or DC12V is selectable via a simple switch to meet the need of various non-PoE network devices or IP cameras. This PoE splitter adopts ABS and PC flame-retardant plastic material. It complies with IEEE802.3af/at PoE standards, 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 settings needed and very easy to use.

**FEATURE**

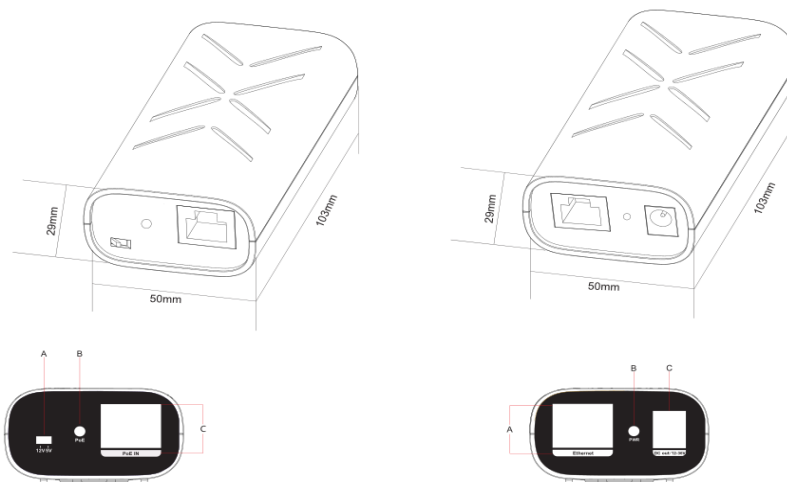
- Gigabit rate self-adaption, 8P copper cable RJ45 port
- Support IEEE802.3af/at standard, both mid-span (4/5+, 7/8-) and end-span (1/2+, 3/6-)
- Output voltage 5VDC or 12VDC selectable, suitable for various network terminals
- Input voltage 44-57VDC, rated output power 12W, greater than 82% efficiency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

**TECHNICAL SPECIFICATIONS**

Interface Characteristics	
Fixed Port	2*10/100/1000Base-T RJ45 ports 1*DC5521 power socket
Ethernet Port	Ethernet port can support 10/100/1000Base-T autosensing, full/half duplex MDI/MDI-X self-adaption
Network Characteristics	
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 Selection Switch	12V: DC12V output voltage (default)
	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 ±0.5V, optional 5VDC ±0.5V
Power Consumption	Standby<1W, Full Load<24W
Conversion Efficiency (Output: Input)	≥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)	103x50x29mm
Net /Gross Weight	<0.08kg /<0.1kg
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection level: IP30
Standard Warranty	2 years and lifelong maintenance.

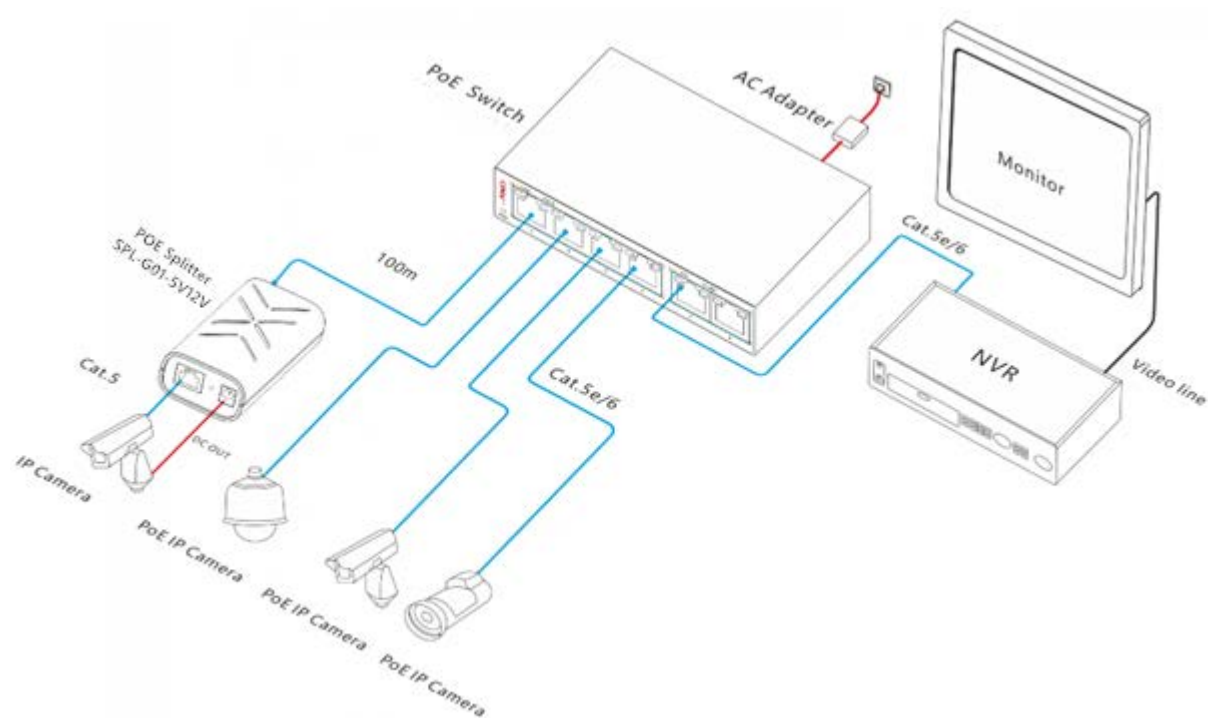
## DIMENSION



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
SPL-G01-5V12V	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 or 12VDC, and maximum full load power is 24W.

## PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	Gigabit PD PoE splitter	1	PC
	Data sheet and manual	1	PC