SDaPo®



Power over Ethernet

Suitable for:
Wireless AP, IP Cameras etc.

# Active PoE Splitter


SDaPo Communication Co.,Ltd

Tel: +86-13724329562

Whatsapp: +86-13724329562

Teams: Chuchao Xiao

E-mail: vivian@sdapo.com

Website: www.sdapo.net

# PS5712BG PoE Splitter

100/1000/2500Mbps, 12V3A, IEEE802.3af/at/bt Standard Active PoE Splitter






## Overview

The PoE splitter is an economical and practical accessory for the PoE power supply system. It can separate the power and data transmitted through the network cable and then supply power and network to non-PoE devices at the same time.

PS5712BG PoE splitter developed in compliance with the IEEE 802.3af/at/bt standard. Output 12V3A, 10/100/1000/2500Mbps data transmission, with one RJ45 port and one DC5521 Jack. In addition, interfaces Type-C, DC5525 and Micro USB are also available. PS5712GB can only output 12V 3A power when used in conjunction with a power supply equipment (PSE) that truly complies with the PoE++ standard protocol chip.

It is typically used in conjunction with PoE switches or PoE injectors, which is not constrained by power cable layout, effectively reduces wiring costs and improves the flexibility of network deployment. It facilitates the expansion of application scenarios such as wireless cities, security monitoring and so on.

## Features

- IEEE802.3af/at/bt compliant
- Supports 10/100/1000/2500M data transmission
- PoE Input Voltage 44-57V. Automatically detects power supply from PSE power supply module
- DC output 12V3A, easy to access PoE network for non-poe terminal devices
- Support the isolation circuit protection, can effectively protect electrical equipment
- Support the short circuit, overvoltage protection
- Plug and play, portable, stable power supply and network connection
- DC5521/DC5525/Type-C/Micro USB interfaces are available for selections
- Industrial-Grade Temperature Resistance
- CE FCC RoHS REACH UKCA TSCA PROP65 compliant

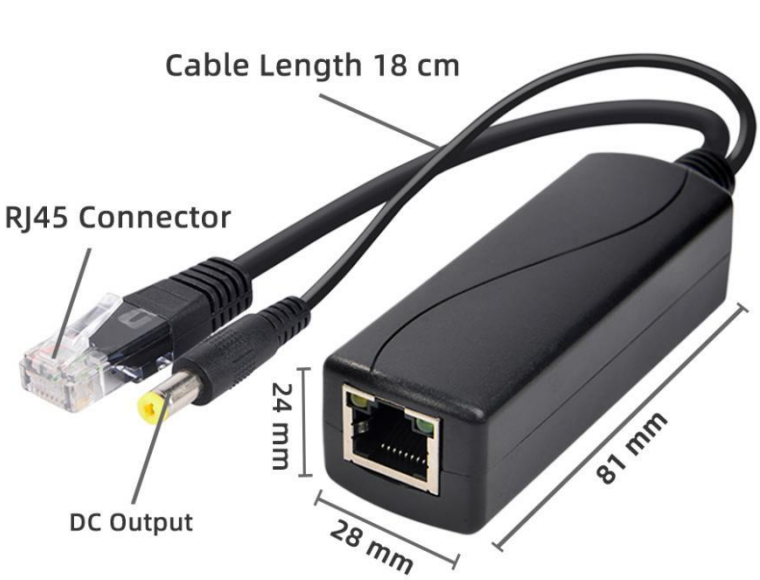
## Technical Parameters

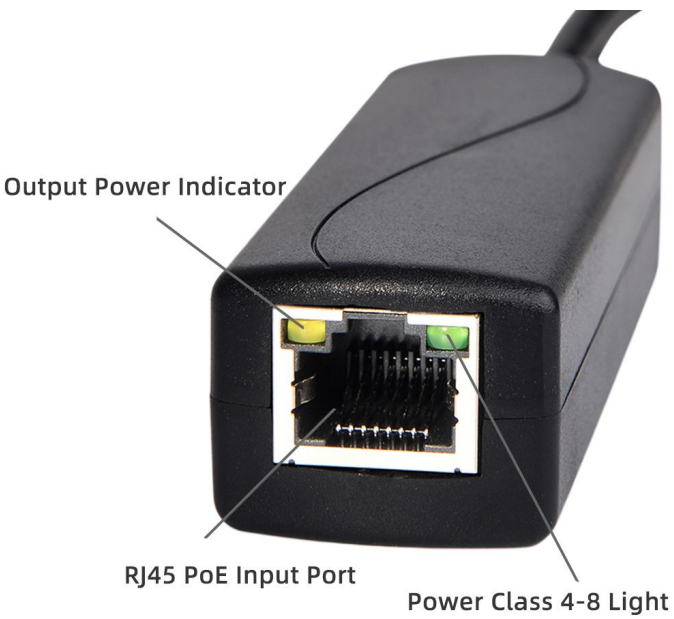
| | |
|---|---|
| Model | PS5712BG |
| Transfer Rate | 10/100/1000/2500M Date transmission |
| Power | PoE Input Voltage: 44-57V; Output: 12V/3A |
| Standard | IEEE 802.3 I, IEEE 802.3 u, IEEE 802.3 x, IEEE 802.3 af/at/bt |
| TRNF | 1/2(+),3/6(-);4/5(+),7/8(-) or 1/2(-),3/6(+);4/5(-),7/8(+) |
| Indicator Light | Yellow Output Power Indicator ; Green Power Class 4-8 Light |
| Interface Type | 1 Input RJ45 port, 1 output RJ45, 1 DC5521/DC5525/Type-C/Micro USB output |
| Environment | Work within -40~85°,Storage within -40~85° |
| Dimensions(mm) | 81x28x24mm |
| Net Weight(g) | 50g |

## Main Parameters

| No. | Parameters | Symbol | Min | Typical Values | Max | Unit |
|---|---|---|---|---|---|---|
| 1 | Input Voltage | Vin | 44 | 50 | 57 | V |
| 2 | Output Voltage | +VDC | 12.0 | 12.1 | 12.3 | V |
| 3 | Output Current | PWR | | | 3 | A |
| 4 | Isolation Voltage | ISO | | | 1.5 | KV |
| 5 | Storage Temperature | Tstg | -40 | 25 | 85 | ℃ |
| 6 | Operating Temperature | Ta | -40 | 25 | 85 | ℃ |

## Mechanical Characteristics



## Related Products

| Model | DC Output | Transfer Rate | PoE Protocol | Interface Types |
|---|---|---|---|---|
| PS0502 | 5V2.4A | 10/100Mbps | IEEE802.3af | DC5521/DC5525/Type-C/Micro USB |
| PS0503 | 5V3A | 10/100Mbps | IEEE802.3af/at | DC5521/DC5525/Type-C/Micro USB |
| PS5712P | 12V1A | 10/100Mbps | IEEE802.3af | DC5521/DC5525 |
| PS5712P V2.0 | 12V1A | 10/100Mbps | IEEE802.3af | DC5521/DC5525 |
| PS5712P V2.1 | 12V1A | 10/100Mbps | IEEE802.3af | DC5521 |
| PS5712AT | 12V2A | 10/100Mbps | IEEE802.3af/at | DC5521/DC5525/Type-C/Micro USB |
| PS5712AT HE | 12V2A | 10/100Mbps | IEEE802.3af/at | DC5521/DC5525/Type-C/Micro USB |
| PS5724AT | 24V1A | 10/100Mbps | IEEE802.3af/at | DC5521/DC5525/Type-C/Micro USB |

| Model | DC Output | Transfer Rate | PoE Protocol | Interface Type |
|---|---|---|---|---|
| PS0502G | 5V2.4A | 100/1000/2500Mbps | IEEE802.3af | DC5521/DC5525/Type-C/Micro USB |
| PS0503G | 5V3A | 100/1000/2500Mbps | IEEE802.3af/at | DC5521/DC5525/Type-C/Micro USB |
| PS0504G | 5V4A | 100/1000/2500Mbps | IEEE802.3af/at | DC5521/DC5525/Type-C/Micro USB |
| PS5712G | 12V1A | 100/1000/2500Mbps | IEEE802.3af | DC5521/DC5525/Type-C/Micro USB |
| PS5712TG | 12V2A | 100/1000/2500Mbps | IEEE802.3af/at | DC5521/DC5525/Type-C/Micro USB |
| PS5712BG | 12V3A | 100/1000/2500Mbps | IEEE802.3af/at/bt | DC5521/DC5525/Type-C/Micro USB |
| PS5724TG | 24V1A | 100/1000/2500Mbps | IEEE802.3af/at | DC5521/DC5525/Type-C/Micro USB |

| Model | DC Output | Transfer Rate | PoE Protocol | Interface Type |
|---|---|---|---|---|
| TYPEC-PD23W | 5V3A<br>9V2.5A<br>12V1.9A | 100/1000/2500Mbps | IEEE802.3af/at | Type-C/USB-C Fast Charger |

## Related Products

| Model | DC Output | Transfer Rate | PoE Protocol | Interface Type |
|---|---|---|---|---|
| PS0504G<br>Metal Enclosure | 5V4A | 100/1000/2500Mbps | 802.3at 4Pairs | DC5521 |
| PS1248G<br>Metal Enclosure | 12V4A | 100/1000/2500Mbps | 802.3at 4Pairs | DC5521/DC5525 |
| PS1260G<br>Metal Enclosure | 12V5A | 100/1000/2500Mbps | 802.3af/at/bt | DC5521/DC5525 |
| PS2450G<br>Metal Enclosure | 24V2.5A | 100/1000/2500Mbps | 802.3af/at/bt | DC5521/DC5525 |
| PS1224G<br>Metal Enclosure | 5V3A<br>5V4A<br>12V2A<br>24V1A | 100/1000/2500Mbps | 802.3at 4Pairs | DC5521 |

| Model | DC Output | Transfer Rate | PoE Protocol | Interface Type |
|---|---|---|---|---|
| FS5712B | 12V1A | 10/100Mbps | IEEE802.3af | DC5521 |
| FS5712W | 12V1A | 10/100Mbps | IEEE802.3af | DC5521 |