# ALLNET PoE Splitter-Mini/Extractor / Gigabit / 24W / 5V/12V Switchable / ALL-PS102G-AF-AT
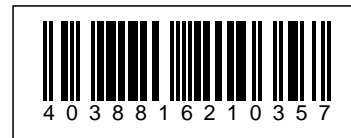
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**Gigabit non-isolated PD PoE splitter can support IEEE802.3af/at standard, compatible with 12/36 &45/78 dual mode power supply. input voltage: 44-57VDC, output voltage: 5V or 12VDC, and maximum full load power is 24W.**
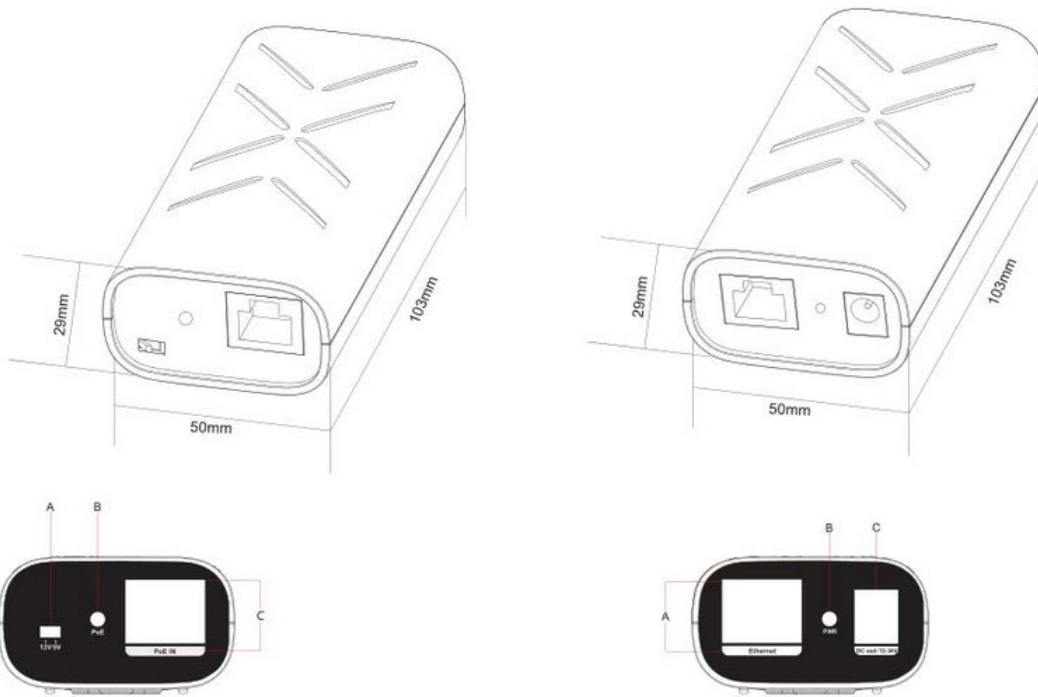
## Hightlights:

- 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
- Incl. approx. 10cm long hollow plug cable on hollow plug outside= 5,5mm & inside 2,1mm for direct connection to terminals with hollow plug socket

ALL-PS102G-AF-AT is a gigabit PD PoE splitter independently developed by ALLNET. It has a 1*RJ45 input port, 1*RJ45 output port, and 1*DC 5,5mm / 2,1mm 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.

ALL-PS102G-AF-AT PoE splitter adopts ABS and PC flame-retardant plastic material. It complies with IEEE802.3

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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.

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

## Technical Details:

| Model | ALL-PS102G-AF-AT |
|---|---|
| **Interface Characteristics** | |
| Fixed Port | 2*10/100/1000Base-T RJ45 ports (Data)<br><br>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 |
| **Network Characteristics** | |
| Transmission Bandwidth (Rate) | 10/100/1000Mbps |
| Twisted Pair Transmission | 10BASE-T: Cat3,4,5 UTP(?100 meter)<br><br>100BASE-TX: Cat5 or later UTP(?100 meter)<br><br>1000BASE-T:Cat5e or later UTP(?100 meter) |
| | |

| Output VoltageSwitch | 12V: DC12Voutput voltage (default) |
|---|---|
| | 5V: DC5Voutput voltage |
| **Network Protocol and Indicator** | |
| 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) |
| **PoE & Power Supply** | |
| 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% |
| **Physical Parameter** | |
| 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 |
| Marks | CE |

# Accessories

| Part No. | Name |
|---|---|
| 81068 | Synergy 21 LED zub Hohlstecker mit Schraubklemmen |

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