

# PoE Splitter

SKU:A139

ACCESSORIES  
**POE  
SPLITTER**

  
M5STACK



INPUT:48V  
IEEE802.3AF/AT  
OUTPUT:12V=1A



## Description

**PoE Splitter** is a PoE splitter compliant with the IEEE 802.3af standard, used to separate Power over Ethernet (PoE) signals, preventing electrical interference or faults from propagating from the PoE power line to network devices, ensuring device stability and safety. It supports adaptive extraction of data signals from data pairs (pins 1/2 and 3/6) or spare pairs (pins 4/5 and 7/8) and converts them to a 12 V DC output with a maximum power output of 12 W, supporting 10/100 Mbps data transmission. The device features built-in overload protection, short-circuit auto-recovery, and 1500 V isolation protection, making it applicable in IoT, industrial automation, telecommunications equipment, and other fields.

## Note

### Output Reminder

This product's RJ45 connector is only for Ethernet data transmission (pins 1 and 2 and pins 3 and 6 as differential signal lines) and does not output DC voltage; please obtain the 12 V power from the DC interface (5.5×2.1 mm).

## Includes

- 1 x PoE Splitter

## Applications

- IoT
- Industrial automation
- Telecommunications equipment

## Specifications

Specification	Parameter
PoE Protocol	IEEE802.3af
Input Voltage	DC 48V
Maximum Power Output	12W (12V@1A)
Maximum Input Current	Discharge protection current 1.2 A
Transmission Rate	10/100Mbps
PoE Pairs	Adaptive differential pairs: (1,2)+/(3,6)- and (4,5)+/(7,8)-
RJ45 Data Output	(1,2)+/(3,6)-
DC Output Port	DC power plug: 5.5×2.1 mm (5521) male, center positive, shell negative
Output Voltage (No-load/Full-load)	12.0 V (no-load) / 11.7–12.3 V (full-load)
Maximum Output Current	1.2 A
Efficiency	Typ. ≥ 85 %
Isolation Voltage	1500 V
Protection	Overload protection, short-circuit auto-recovery
Operating Temperature	-10 ~ 70 °C
Product Size	82.0 × 28.0 × 23.0mm
Packaging Dimensions	170.0 x 120.0 x 32.0mm
Product Weight	54.0 g
Packaging Weight	57.2 g