

## 13W PD-24V PoE Splitter



## Product characteristi

- Compliant with IEEE802.3AF standard
- Wide working voltage range from 42V to 57V
- The maximum output power is up to 13W; Rated output: 24V/0.54A
- Output ripple and noise  $\leq 200\text{mV}$
- Efficient DC-DC converter efficiency 85% (input: 48V, output: 24V/0.54A)
- It has excellent reliability and circuit protection such as over current, short circuit, under voltage and surge
- External dimensions: 65 \* 28 \* 22mm
- Output DC interface: 5.5 \* 2.1 \* 10

## Scope of application

- High definition network camera
- Wireless data center
- High temperature industrial applications
- Advertising system
- Network storage system

## Describe

- PS13-5724 complies with IEEE802.3af standard, industrial grade plastic shell non isolated PoE separator
- PS13-5724 can automatically separate the network and power supply of PoE switches, enabling data transmission and power supply to non PoE powered devices. It can be freely paired with more than 85% of PC modules on the market (such as Xiongmai, Tianshitong, Zhongwei Century, Tiandi Weiye, Haikang, Dahua), and can also be used for power supply and network separation for other devices with comparable power that require PoE functionality
- PS13-5724 power 24V/0.54A/13W, data power supply 12+/3 6-, transmission distance 100 meters

## Mechanical dimensions



The above dimensions are manually measured and may have slight errors. Please refer to the actual product for accuracy;

## Technical Parameters

Model	PS13-5724
product type	PoE splitter
Support Agreement	IEEE802.3af
Transfer Rate	10/100M
Interface Type	1 Input RJ45 port, 1 output RJ45 port, 1 DC output (5.5*2.1*10mm)
Power	Output 24V/0.54A
Environment	Working temperature: -40 °C -80 °C Storage temperature: -40 °C -85 °C Working humidity: 10%~90% Non condensing Storage humidity: 5%~90% Non condensing
TRNF	1/2(+),3/6(-);4/5(+),7/8(-)
Dimension	65*28*22mm

## PIN pin definition

PIN		Define	Notes
CN1	1	RX-	External PoE switch 1236 input (Data and Power)
	2	RX+	
	3	TX-	
	6	TX+	
CN2	1	RX-	PoE data output
	2	RX+	
	3	TX-	
	6	TX+	
DC OUT	5.5*2.1*10mm		PoE power output internal positive and external negative

## Electrical characteristics

### performance parameter:

PoE switch	minimum	RATING	maximum	Output ripple	efficiency
Input voltage	42Vdc	48Vdc	57Vdc	200mv Max	85%
Output voltage	23V	24V	25V		
Output current	0.5A	0.54A	0.55A		
Short circuit protection	When the output is short circuited to ground, the input power of the product decreases without damage. After the short circuit is resolved, the product will automatically return to normal				
operation temperature	At an altitude of ≤ 10000 feet, the lower limit of low-temperature operation is -25 °C, and the upper limit of operation is +45 °C				
storage temperature	At an altitude of ≤ 30000 feet, the lower limit of low-temperature storage is -30 °C (without icing environment); The storage limit is +80 °C				