SDaPo®



Power over Ethernet

Suitable for:
Wireless AP, IP Cameras etc.

Active PoE Splitter

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PS2450G Metal Enclosure PoE Splitter

100/1000/2500Mbps, 24V2.5A, IEEE802.3af/at/bt Standard Active PoE Splitter





Interface Types for Selections :
DC5.5x2.1mm
DC5.5x2.5mm

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.

PS2450G Metal Enclosure PoE splitter developed in compliance with the IEEE 802.3af/at/bt standard. Output 24V2.5A, 10/100/1000/2500Mbps data transmission, with one RJ45 port and one DC5521 or DC5525 Jack.

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 24V2.5A, 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
- Industrial-Grade Temperature Resistance
- CE FCC RoHS REACH UKCA TSCA PROP65 compliant

Technical Parameters

Model	PS2450G Metal Enclosure
Transfer Rate	10/100/1000/2500M Date transmission
Power	PoE Input Voltage: 44-57V; Output: 24V/2.5A
Standard	IEEE 802.3 I, IEEE 802.3 u, IEEE 802.3 x, IEEE 802.3af/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 port, 1 DC5521 or 1 DC5525 output
Environment	Work within -40~85°,Storage within -40~85°
Dimensions(mm)	82x60x30mm
Net Weight(g)	186.5g

Main Parameters

No.	Parameters	Symbol	Min	Typical Values	Max	Unit
1	Input Voltage	Vin	44	50	57	V
2	Output Voltage	+VDC		24		V
3	Output Current	PWR			2.5	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 9V2.5A 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 Metal Enclosure	5V4A	100/1000/2500Mbps	802.3at 4Pairs	DC5521
PS1248G Metal Enclosure	12V4A	100/1000/2500Mbps	802.3at 4Pairs	DC5521/DC5525
PS1260G Metal Enclosure	12V5A	100/1000/2500Mbps	802.3af/at/bt	DC5521/DC5525
PS2450G Metal Enclosure	24V2.5A	100/1000/2500Mbps	802.3af/at/bt	DC5521/DC5525
PS1224G Metal Enclosure	5V3A 5V4A 12V2A 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