



# SP-POE

## PoE Splitter IEEE802.3af

### Overview

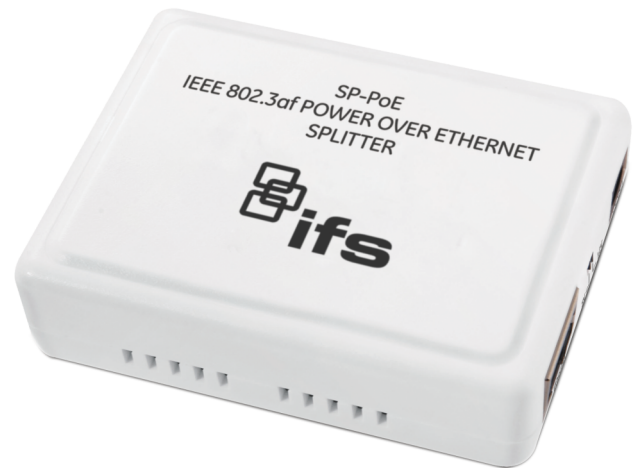
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Carrier Fire & Security SP-POE is a Power over Ethernet IEEE 802.3af Splitter that splits the 48VDC power input over an Ethernet cable into separate 5V and 12V DC power outputs.

The SP-POE works with IEEE 802.3af power source equipment (PSE). This frees device deployment from restrictions due to power outlet locations and eliminates the costs for additional AC wiring and reduces the installation time.

When the PSE inserts DC Voltage into the CAT 5 cable, it allows the cable between the PSE and SP-POE to transfer data and power simultaneously.

The maximum distance between the PSE and SP-POE is 100m. The SP-POE also reduces costs and facilitates networking planning while delivering higher reliability.



### Details

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- Complies with IEEE 802.3af Power over Ethernet, IEEE 802.3 10-Base-T and IEEE 802.3u 100Base-TX
- Provides DC 48V power over RJ-45 Ethernet cable to device with Ethernet port
- LED indicators for power input
- Distance up to 100 meters
- Auto-detect of PoE IEEE 802.3af equipment protects devices from being damaged by incorrect installation
- Works with EIA568, category 5, 4-pair cables for 10Base-T or 100Base-TX
- EMI standards comply with FCC, CE class B
- Convenient plug-and-play installation saves time and reduces installation costs
- 2 selectable of DC voltage output- 5V, 12V for SP-PoE

# SP-POE

## PoE Splitter IEEE802.3af

### Technical specifications

#### General

Category	PoE Splitter
Port type	Copper (RJ45)
Port speed	Fast

#### Electrical

Power Requirement :	48V DC, 0.38A
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#### Physical

Physical dimensions	73 x 55 x 24 mm
Net weight	50 g

#### Environmental

Operating temperature	0 to +50°C
Environment	Indoor
Operating Temperature :	0°C~+50°C

Operating Relative Humidity :	5%~90% (non-condensing)
Storage Temperature :	-20°C~+70°C
Storage Relative Humidity :	5%~90% (non-condensing)

#### Hardware Specification

Ethernet Copper Port :	1x 10/100Base-TX for data in RJ-45 connector
Ethernet + DC Copper Port :	1 x 10/100Base-TX with IEEE 802.3af PoE PSE for data + DC out RJ-45 connector
Ethernet Data Rate :	10/100Mbps (varies on Ethernet device attached)
Throughput (packet per second) :	148810@64Bytes
Input Power :	48V DC, 0.38A max. ( Range 44V to 56V DC)
LED Indicator :	1 x Power
LED Indicator :	1 x PoE ready / in-use
Installation :	Stand-alone or wall-mount
Material :	Plastic
Dimensions (H x W x D) :	73 x 55 x 24mm
Weight :	50gr
Reliability :	MTBF > 50,000 hrs. @ 25°C
Ethernet cable :	TIA/EIA-568, Category 5/5e cable
Power over Ethernet	
PoE Standard :	IEEE 802.3af Power over Ethernet / PSE
PoE Power Supply Type :	Mid-Span / Type B
Power PIN Assignment :	4/5(+), 7/8(-)
PoE Power Output :	DIP Switch selectable : 5V DC - 2A max. or 12V DC - 1A max.
Output DC Connector :	DC Jack 5.5 x 2.5 mm receptacle in the central post
Output Power :	12W max
Number of devices can be powered :	1

#### Standards Conformance

Standards Compliance :	IEEE 802.3 10Base-T Ethernet
Standards Compliance :	IEEE 802.3u 100Base-TX Fast Ethernet
Standards Compliance :	IEEE 802.3af Power over Ethernet
Standards Compliance :	TIA/EIA-568, Category 5/5e cable
Regulation Compliance :	FCC Part 15 Class A, CE



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