

# SP-POE

## PoE Splitter IEEE802.3af

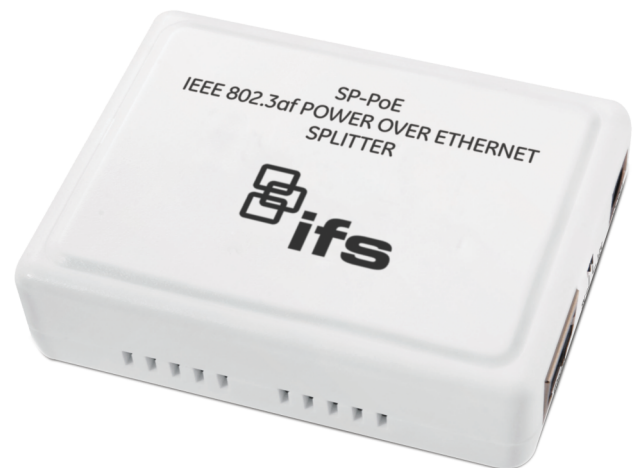
### Overview

UTC 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

- 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

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### Technical specifications

#### General

|            |               |
|------------|---------------|
| Category   | PoE Accessory |
| Port type  | Copper (RJ45) |
| Port speed | Fast          |

#### Physical

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

#### Environmental

|                       |             |
|-----------------------|-------------|
| Operating temperature | 0 to +50°C  |
| 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) |

#### Electrical

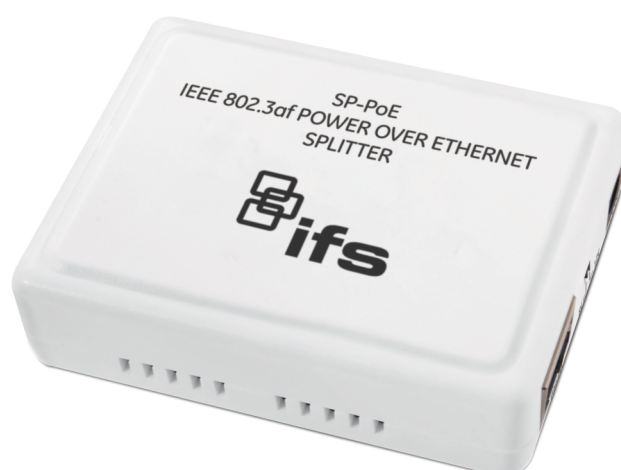
|                     |               |
|---------------------|---------------|
| Power Requirement : | 48V DC, 0.38A |
|---------------------|---------------|

#### 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              |



As a company of innovation, UTC Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit UTC Fire & Security online or contact your sales representative.

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