



SP-POE20G
v1.0
SP-POE20G PoE Splitter



Edition: 1 from 01.07.2024
 Supercedes the edition: -----

EN

Features:

- Power supply output for cameras: 1,7A 5/12 V DC (selectable)
- The input voltage range: 44 – 57 V DC
- Output power: 20 W
- Designed for 10/100/1000 Mb/s network
- Optical LED indication
- Protections:
 - Short-circuit protection SCP
 - Overload protection OLP
 - OHP overheat protection
- Warranty – 2 years

1. Technical description.

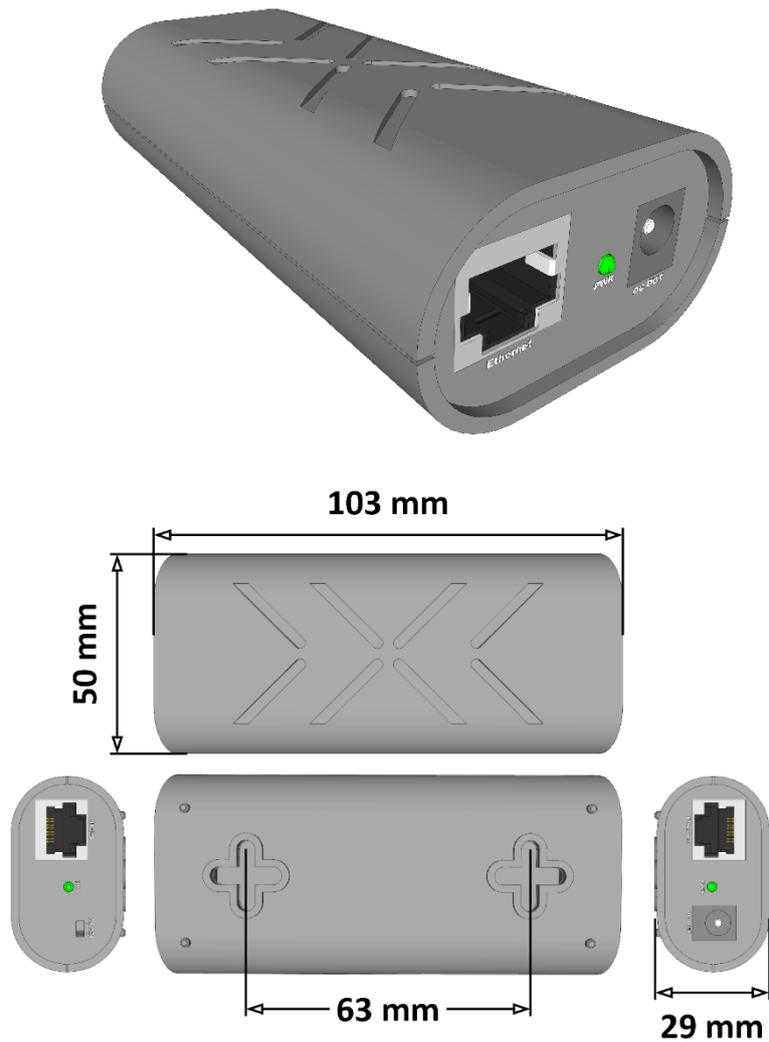
SP-POE20G Splitter is intended for supplying devices (e.g. IP cameras) that require a supply voltage of 5 V or 12 V DC(selectable by external switch). The device is based on a high-performance DC/DC converter reducing the voltage from 44-57 V DC to 5/12 V DC. Maximum load current is **1,7 A (P_{MAX}=20 W)**. The splitter can be powered from both PoE standard compliant devices (e.g. PoE switch) and passive PoE power supplies supplying voltage to 4/5 and 7/8 pairs, which do not participate in data transmission.

The supply voltage (POWER) and data (DATA) are supplied at the module input (the RJ-45 socket). Only data is sent to output (RJ-45 socket), while the 5/12 V DC supply voltage is available on DC 5.5/2.1 socket. The splitter also allows supplying other devices requiring 12 V DC supply voltage, including Access Point, router etc..

2. Specifications.

Voltage adjustment range (supply):	44 – 57 V DC
Current consumption:	0,42 – 0,55 A
Module power:	20 W
Efficiency:	86%
Output voltage	5/12 V DC
Output current:	1,7 A
Ripple voltage:	200 mV p-p max.
Protection against: - Short-circuit SCP - Overload OLP	105% ÷ 150% of module supply power, automatic recovery
Optical indication: - diode indicating presence of DC input voltage - diode indicating presence of DC output voltage	- green, normal status: permanently illuminated, failure: off
PoE standard	IEEE 802.3af/at
Input power supply pairs	1/2 (+) 3/6 (-) 4/5 (+) 7/8 (-)
Transmission speed	10/100/1000 Mb/s Full Duplex
Input connector	RJ-45 socket
Output connector	DC 5,5/2,1 socket RJ-45 socket
Operating temperature:	-10°C ÷ +40°C
Dimensions:	103 x 50 x 29 [mm] (WxHxD)
Net/gross weight:	0,07 / 0,08 [kg]

3. Dimensions



WEEE LABEL

Waste electrical and electronic equipment must not be disposed of with normal household waste. According to European Union WEEE Directive, waste electrical and electronic equipment should be disposed of separately from normal household waste.

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