EXT-POE4-OTD
Extender EXT-POE4-OTD
v1.0

Edition: 1 from 28.03.2024
Supersedes edition: ---------

EN

Device features:

- Voltage adjustment range 48 – 57 V DC
- Power supply from PoE switch
- PoE input: PoE IN - compliant with IEEE802.3af/at/bt
- PoE output PoE OUT 4 - compliant with IEEE802.3af/at/bt
- PoE output PoE OUT 1-3 - compliant with IEEE802.3af/at
- Increases Ethernet and PoE power range by 100 meters
- Supports 10/100 Mb/s networks
- LED optical signalization
- VLAN mode
- Protections:
  - OLP overload protection
  - SCP short circuit protection
- Warranty – 2 years

1. Technical description.

1.1. General description.

EXT-POE4-OTD extender is a device designed to extend transmission distance of PoE power and Ethernet data via UTP cat. 5/5e twisted pair cable to next 100m. Extender is powered from PoE switch or other PoE-compliant device (PoE IN input). Output voltage and data are available at PoE OUT 1 – 4 outputs, to which cameras or other IP devices using PoE power should be connected.

1.2. Specifications.

Table 1. Specifications

Power supply	Compliant with 802.3af/at/bt (48 – 57 V DC)
Current consumption by PSU module systems	<20mA
Module power	50 W max.
Ports	5 ports 10/100 Mb/s (1 x PoE IN + 4 x PoE OUT) with auto negotiation of connection speed, auto MDI/MDIX crossover
Output voltage	PoE OUT 4 port - compliant with 802.3af/at/bt PoE OUT 1 – 3 ports - compliant with 802.3af/at
Output current	PoE OUT 4 port: 1 A PoE OUT 1 – 3 ports: 0,5A/port (∑=1A max.)
PoE IN input power supply pairs	**1/2 (+) 3/6(-)** **4/5 (+) 7/8 (-)**
PoE OUT 1 – 4 input power supply pairs	**1/2 (+) 3/6(-)** **4/5 (+) 7/8 (-)**
Overload protection (OLP) **Short circuit protection (SCP)**	105% ÷ 150% of power supply, automatic recovery
LED operation indication	LEDs: green 1 – 5 ports: **On** - the device is connected 10/100 Mb/s **Blinking** - data transmission Switch VLAN: **Off** - VLAN mode inactive **On** - VLAN mode active
Operating conditions	-10ºC – 50ºC
Dimensions (LxWxH)	98 x 35 x 149 [+/- 2mm]
Installation	Mounting screws x2 (76mm spacing)
Connectors: **- Input/output PoE**	RJ45 8P8C
Net/gross weight	0,16 / 0,18 [kg]
Storage temperature	-20ºC...+60ºC
Declarations, warranty	CE, RoHS, 2 years

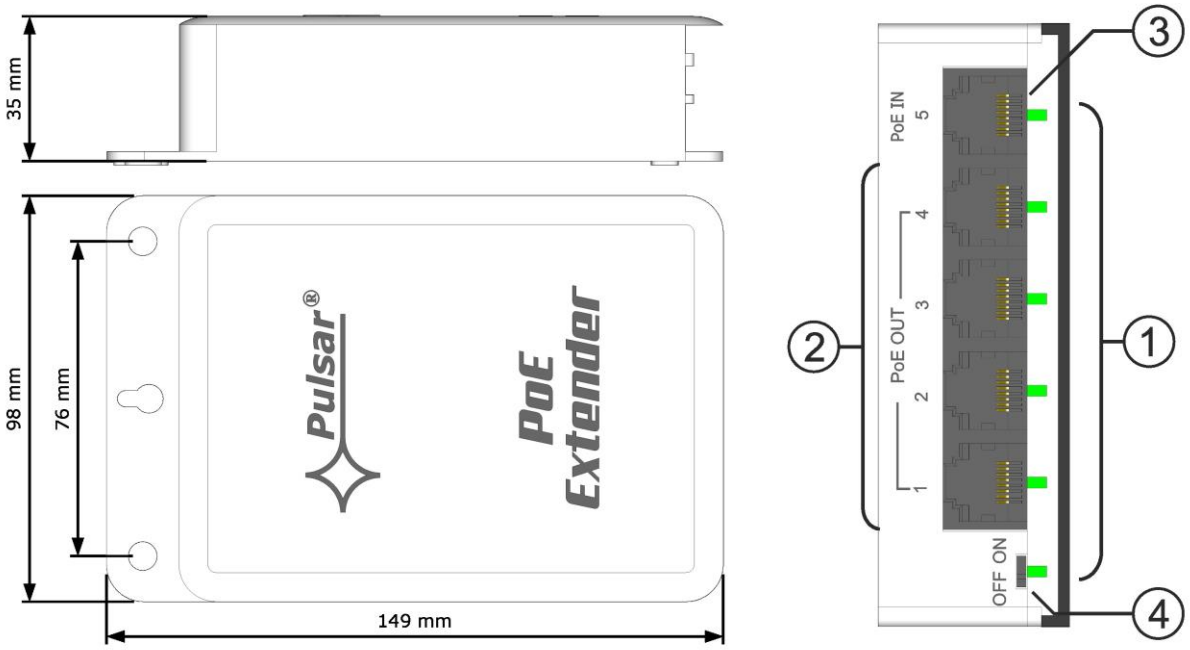
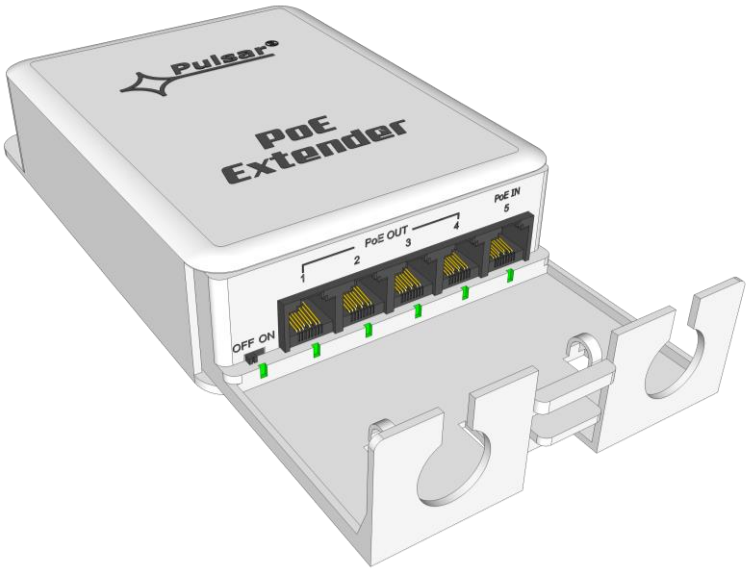


Table 2. Description of components and connectors

Element no. [Fig. 1]	Description
[1]	LED indication
[2]	**PoE OUT 1 – 4** - outputs
[3]	**PoE IN** - input
[4]	**VLAN mode switch**

Example of use:



2. Installation.

2.1. Requirements.

Extenders is to be mounted by a qualified installer, holding relevant permits and licenses (applicable and required for a given country) for low-voltage installations. Device is recommended to be installed in a place protected from direct influence of atmospheric conditions and strong sunlight with temperatures from -10°C to +50°C.

Device is designed for operation in 10 Mb/s or 100 Mb/s**.** Connections between the extender and the network device must be made using a min. UTP Cat.5e.

2.2. VLAN mode

Extender is equipped with a switch that activates VLAN function, which isolates PoE ports (communication takes place between the PoE IN port and the individual PoE OUT ports).

2.3. Installation procedure.

Connect network (Ethernet) cables to RJ45 connectors marked: PoE IN, PoE OUT. Cable from PoE-compliant Ethernet switch connect to PoE IN input, taking into account the current capacity of the output port.
To PoE OUT 1 – 4 outputs connect devices, e.g. IP cameras.

3. Maintenance.

The unit requires no special maintenance.

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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