

**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 1 – 3 - compliant with IEEE802.3af/at
- Increases Ethernet and PoE power range by 100 meters
- Supports 10/100/1000 Mb/s networks
- LED optical signalization
- VLAN mode
- Protections:
  - OLP overload protection
  - SCP short circuit protection
- Warranty: 2 years

**1. Technical description.**

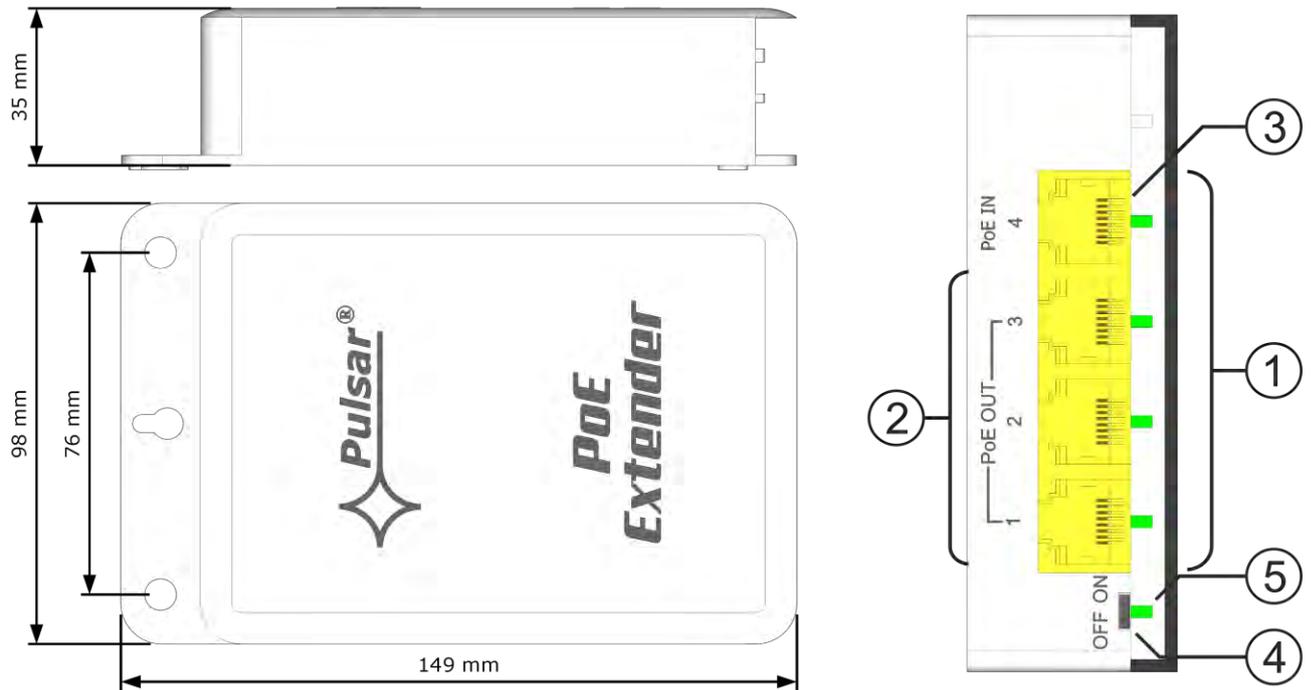
**1.1. General description.**

**EXT-POEG3-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 PoE OUT 1 – 3 outputs, to which cameras or other IP devices using PoE power should be connected.

**1.2. Specifications.**

**Table 1. Specifications**

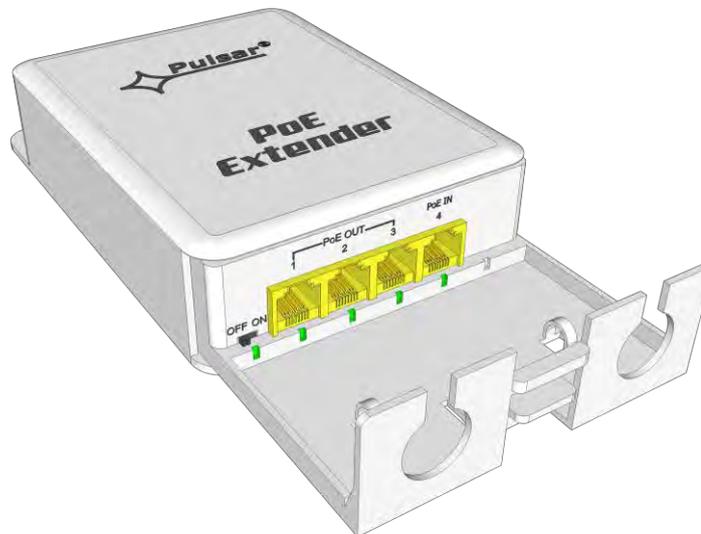
<b>Power supply</b>	Compliant with 802.3af/at/bt (48 – 57 V DC)
<b>Current consumption by PSU module systems</b>	<20mA
<b>Module power</b>	25 W max.
<b>Ports</b>	4 ports 10/100/1000 Mb/s (1 x PoE IN + 3 x PoE OUT) with auto negotiation of connection speed, auto MDI/MDIX crossover
<b>Output voltage</b>	Compliant with 802.3af/at
<b>Output current</b>	0,5A/port ( $\Sigma=0,5A$ max.)
<b>PoE IN input power supply pairs</b>	1/2 (+) 3/6(-) 4/5 (+) 7/8 (-)
<b>PoE OUT 1 – 4 input power supply pairs</b>	1/2 (+) 3/6(-) 4/5 (+) 7/8 (-)
<b>Overload protection (OLP)</b> <b>Short circuit protection (SCP)</b>	105% – 150% of power supply, automatic recovery
<b>LED operation indication</b>	LEDs: green <b>1 – 4 ports:</b> On - the device is connected 10/100/1000 Mb/s Blinking - data transmission <b>Power supply:</b> ON - the device is powered OFF - power fail
<b>Operating conditions</b>	-10°C – +50°C
<b>Dimensions (LxWxH)</b>	98 x 35 x 149 [+/- 2mm]
<b>Installation</b>	Mounting screws x2 (76mm spacing)
<b>Connectors:</b> <b>- Input/output PoE</b>	RJ45 8P8C
<b>Net/gross weight</b>	0,16 / 0,19 [kg]
<b>Storage temperature</b>	-20°C...+60°C
<b>Declarations, warranty</b>	CE, RoHS, 2 years



**Table 2. Description of components and connectors**

Element no. [Fig. 1]	Description
[1]	LED indication (ports)
[2]	PoE OUT 1 – 4 - outputs
[3]	PoE IN - input
[4]	VLAN mode switch
[5]	LED indication (power supply)

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, 100 Mb/s or 1000 Mb/s (so-called **Gigabit Ethernet**). Connections between the extender and the network device must be made using a min. UTP Cat.5e.

## 2.2. VLAN mode

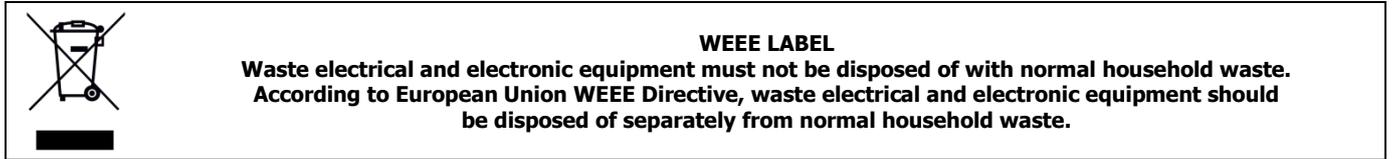
Extender is equipped with a switch that activates VLAN function, which isolates PoE ports (communication takes place between the PoE IN port and the individual PoE OUT ports).

## 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.



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