

Equipment features:

- Voltage adjustment range 44-57 V DC
- Power supply from PoE switch
- PoE input: PoE IN - compliant with IEEE802.3af/at
- PoE output: PoE OUT1/2 - compliant with IEEE802.3af
- Increases Ethernet and PoE power range by 100 meters
- Supports 10/100/1000 Mb/s networks
- LED optical signalization
- Protections:
 - Surge protection (PoE input)
 - OLP overload protection
 - SCP short circuit protection
- Warranty – 2 years from production date

1. Technical description.

1.1. General description.

EXT-POEG2 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 OUT1, PoE OUT2 outputs, to which cameras or other IP devices using PoE power should be connected. Maximum load current is 0.4A (0.3A/port) and power transmission is realized on pairs 1/2 (+) 3/6(-).

1.2. Specifications.

Table 1. Specifications

Power supply	Compliant with 802.3af/at (44÷57VDC)
Current consumption by module systems	<20mA
Module power	20 W max.
Ports	3 ports 10/100/1000 Mb/s (1 x PoE IN + 2 x PoE OUT) with auto negotiation of connection speed, auto MDI/MDIX crossover
Output voltage	Compliant with 802.3af
Output current	0,3A/port ($\Sigma=0,4A$ max.)
PoE IN input power supply pairs	1/2 (+) 3/6(-) 4/5 (+) 7/8 (-)
PoE OUT1/2 output power supply pairs	1/2 (+) 3/6 (-)
Overload protection (OLP) Short circuit protection (SCP)	105% ÷ 150% of power supply, automatic recovery
LED operation indication	LED LAN (yellow) – indicating the LAN connection status LED PoE (green) – presence of input/output voltage
Operating conditions	-10°C – 40°C
Dimensions (LxWxH)	103 x 50 x 29 [+/- 2mm]
Installation	mounting screws x2 (63mm spacing)
Connectors: - PoE input/output	RJ45 8P8C
Net/gross weight	0,08 / 0,1 [kg]
Storage temperature	-20°C...+60°C
Declarations, warranty	CE, RoHS, 2 years from production date

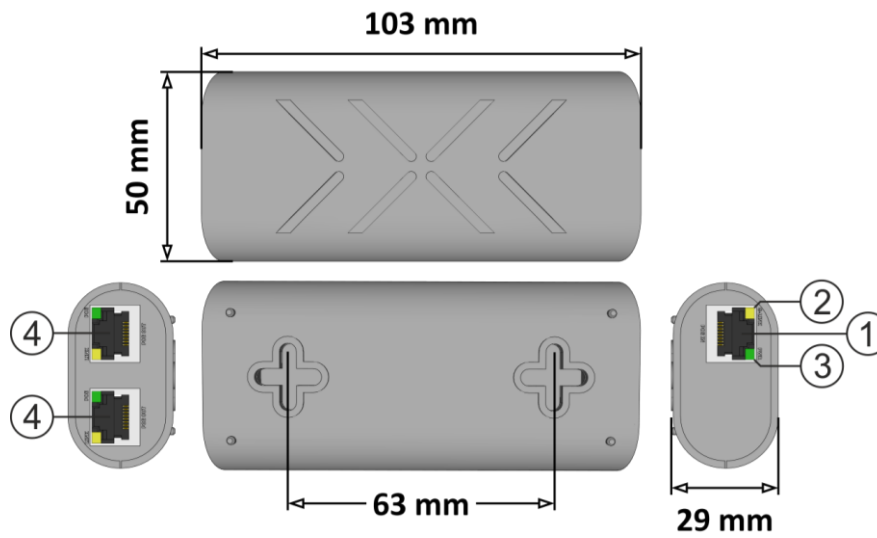


Fig. 1. A schematic drawing of the device.

Table 2. Description of components and connectors.

Element no. [Fig. 1]	Description
[1]	PoE IN- input
[2]	LED LAN (yellow)
[3]	LED PoE (green)
[4]	PoE OUT 1/2 - outputs

Example of connection:



Increases Ethernet and PoE power range by 100 meters

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. Unit should be mounted in confined spaces, in accordance, with normal relative humidity (RH=90% maximum, without condensing) and temperature from -10°C to +40°C.

Device is designed for operation in 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s (so-called Gigabit Ethernet) Ethernet networks. Connections between the extender and the network device must be made using a min. UTP Cat.5e.

2.2. 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 1/2 outputs connect devices, e.g. IP cameras.

3. Maintenance.

Any and all maintenance operations may be performed following the disconnection of the PSU from the power supply network. The unit requires no special maintenance.



WEEE LABEL

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



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