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EXT-POEG3DIN
Extender EXT-POEG3DIN
v1.1

Edition: 2 from 28.03.2024
Supersedes edition: 1 from 16.08.2023

EN

Equipment features:

- Voltage adjustment range 48 – 57 V DC
- Power supply from PoE switch
- PoE input: PoE IN - compliant with IEEE802.3af/at
- PoE output: PoE OUT 2 – 4 - 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-POEG3DIN 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 2 – 4 outputs, to which cameras or other IP devices using PoE power should be connected. Maximum load current is 0,5 A (0,5A/port). Power transmission for PoE OUT 2 – 4 utilizes pairs **1/2 (+) 3/6(-).**

1.2. Specifications.

Table 1. Specifications

Power supply	Compliant with 802.3af/at (48 – 57 V DC)
Current consumption by PSU module systems	<20mA
Module power	25 W max.
Ports	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
Output voltage	Compliant with 802.3af/at
Output current	0,5A/port (∑=0,5A max.)
PoE IN input power supply pairs	**1/2 (+) 3/6 (-)** **4/5 (+) 7/8 (-)**
PoE OUT 2 – 4 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	LEDs (green) 1 – 4 ports: **ON** - the device is connected 10/100/1000 Mb/s **Blinking** - data transmission VLAN switch: **OFF** - inactive VLAN mode **ON** - active VLAN mode
Operating conditions	-10ºC – 40ºC
Dimensions (LxWxH)	57 x 23 x 85 [+/- 2mm]
Installation	For TH35 rail or mounting screws x2 (76mm spacing)
Connectors: - PoE input/output	RJ45 8P8C
Net/gross weight	0,06 / 0,07 [kg]
Storage temperature	-20ºC...+60ºC
Declarations, warranty	CE, RoHS, 2 years
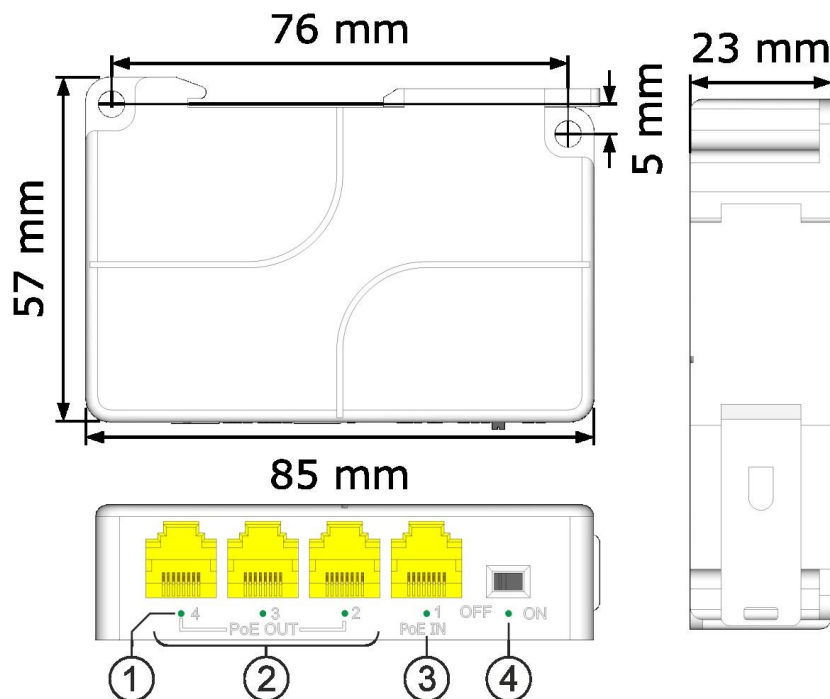
Table 2. Description of components and connectors.

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

Example of connection:
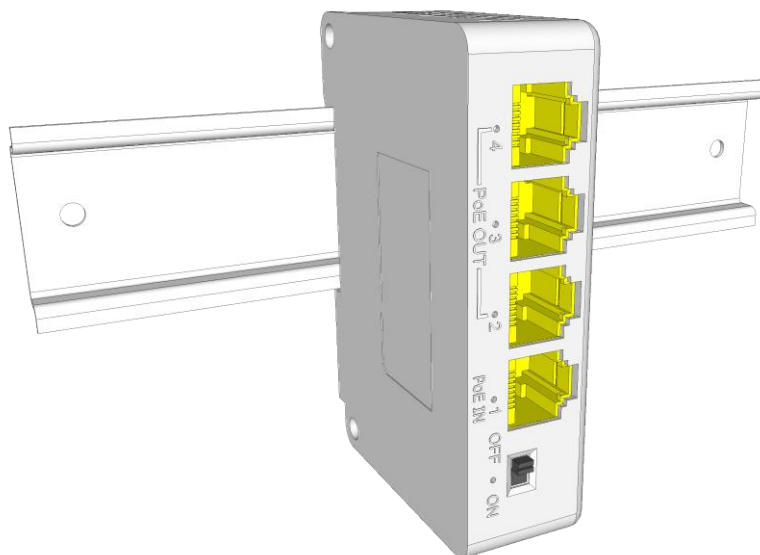
2. Installation.

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 Mb/s, 100 Mb/s or 1000 Mb/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. VLAN mode

Extender is equipped with a switch that activates VLAN functionality, which isolates the PoE ports from each other (communication occurs 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 2 – 4 outputs connect devices, e.g. IP cameras.

3. Maintenance.

The unit requires no special maintenance.

<table>
<tr><td></td><td>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.</td></tr>
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