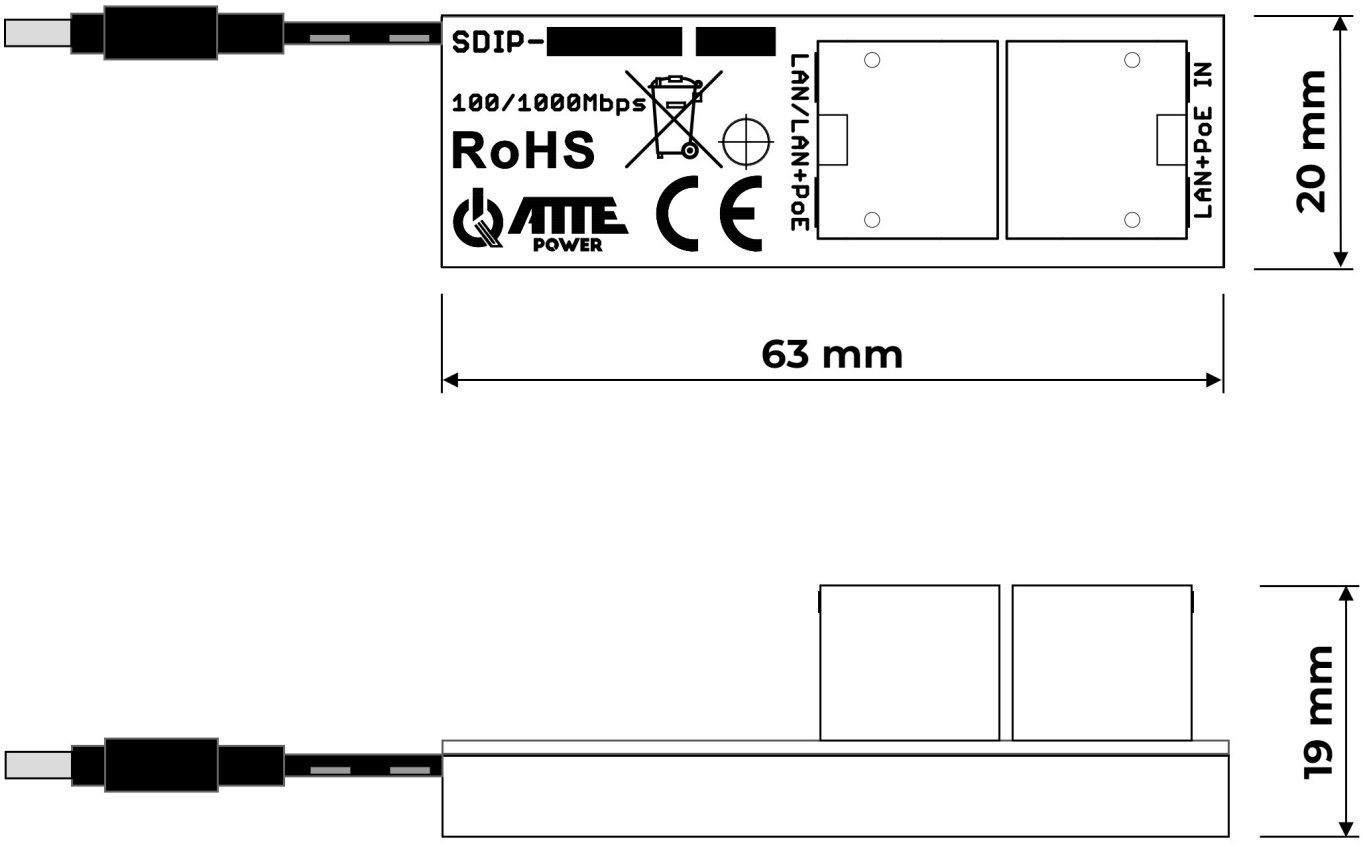
SDIP-12-121
Gigabit Ethernet PoE step-down adapter
Vout 12V, Pout 12W, 10/100/1000Mbps, 802.3af and PASSIVE

INSTRUCTION MANUAL

The SDIP-12-121 Gigabit adapter is a DC/DC converter that reduces voltage. The device allows us to power devices with a nominal voltage of 12V using PoE 802.3 af or PoE PASSIVE 35-56V. The primary use of the adapter is to power devices such as a camera, door station with an electric door opener requiring 12V . Gigabit throughput allows full use of the transmission speed.

The RJ45 output does not supply PoE, only LAN transmission.

The adapter is intended for use with a PoE switch operating in the 802.3af standard or PoE PASSIVE.



General view of the device

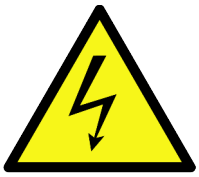
Technical Specification

Supported PoE power supplies	802.3 af or PASSIVE PoE RJ45 Port 10/100/1000Mbps
Connectors	1x RJ45 Port LAN POE IN 10/100/1000Mbps 802.3 af or PASSIVE PoE 1x RJ45 Port LAN OUT without PoE 10/100/1000Mbps DC plug – DC_OUT output voltage
Output Voltage	DC_OUT plug – 12VDC +/-3% (center +) NOTE: The output voltage is not present on the RJ-45 connector
Output Current	1A (DC plug)
Input Voltage	35 ... 56 VDC (PoE) PoE Pinout: 1,2 (V+/-) 3,6 (V+/-) and/or 4,5 (V+/-) 7,8 (V+/-)
Ports Protection	Surge protection Overload protection 2A with auto return
Indication	LED on RJ45 connectors (yellow) - presence of PoE LED at DC output (red) - DC_OUT power supply presence
Housing Construction	Polycarbonate
Ingress Protection Rating	IP20
Operating Temperature	-25 ... +50°C
Dimensions	63 x 20 x 19 mm
Weight	0,022 kg

Safety Precautions

- The installation and wiring must be performed by a competent engineer. For permanently connected equipment, a readily accessible disconnect device must be incorporated in the fixed wiring. The device must be connected to the mains supply 230 VAC 50 Hz via a specified fused connection outlet.
- Despite the fact that the enclosure of the device has a high degree of protection, it is recommended that the device should be mounted in places protected from direct influence of atmospheric factors, in particular against rain and direct sunlight.
- Since the power supply does not have a switch to isolate the mains supply, the installer is responsible for notifying the user of the means of isolating the mains supply from the device.
- When replacing fuses, use original or compatible types. The exact parameters of the fuses can be found on the inside of the device cover.

WARNING



Before installation and during maintenance make sure that the mains voltage 230VAC is disconnected

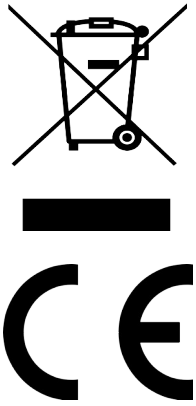
Installation

- Mount the device and connect the UTP cables. The RJ-45 plugs on the cable should be prepared according to the T568B standard.
- Connect the DC plug to the powered device.

Operation Indication

- LED on RJ45 connectors (yellow) - presence of PoE
- LED at DC output (red) - DC_OUT power supply presence

WEEE MARKING



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead such equipment must be disposed of by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment.