SDIP-20-AD0
Gigabit Ethernet PoE step-down adapter
Vout 5V/12V/24V, Pout max 20W 802.3at/af oraz PASSIVE

INSTRUCTION MANUAL

The SDIP-20-AD0 adapter is designed to power additional devices via the PoE line or to reduce the PoE voltage present in the RJ45 plug at 10/100/1000Mbps bandwidth.

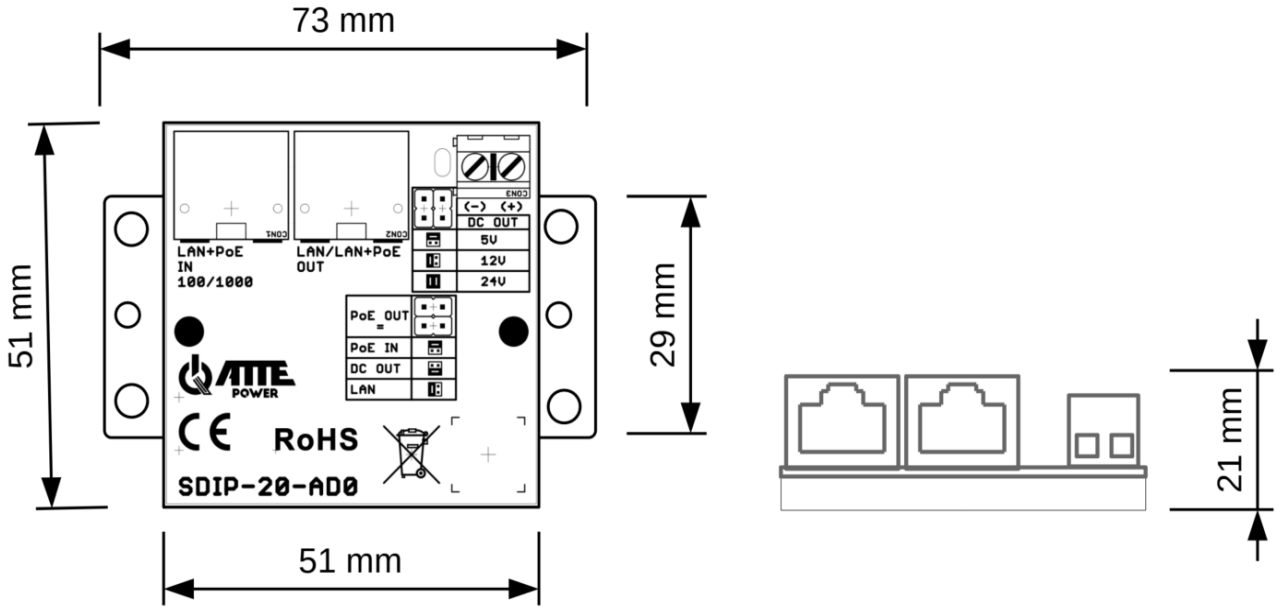
Appropriate combinations of jumpers allow you to choose the right configuration of POE power supply at the output as well as the output voltage level from the converter.

One set of jumpers allows you to select the DC output voltage of the inverter at 5V, 12V or 24V.

The second set of jumpers is responsible for configuring the power available at the LAN output port. It allows you to transfer PoE power from the input to the output, lower the PoE voltage to the jumper setting on the inverter, or turn off the power and leave only LAN transmission.

The adapter is designed to work with a PoE switch operating in 802.3at/af or PoE PASSIVE standard.

The device has a very small size which allows easy installation in small spaces. Additional mounting studs or an adapter allow mounting in ABOX enclosures or on a TH35 rail.

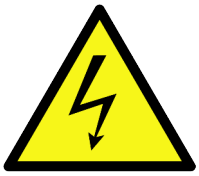


General view of the device

Technical Specification

Supported PoE IN power supplies	802.3 at/af or PASSIVE PoE RJ45 Port 10/100/1000Mbps
Connectors	1x RJ45 Port LAN POE IN 10/100/1000Mbps 802.3 at/af or PASSIVE PoE 1x RJ45 Port LAN or LAN+ PASSIVE POE OUT 10/100/1000Mbps DC OUT connection terminal - Output voltage
Output Voltage	DC OUT 5 VDC / 12 VDC / 24 VDC +/-5% (set by jumper) Passive PoE OUT none / 5 VDC / 12 VDC / 24 VDC +/-5% (set by jumper) PIN PoE: 4,5 (V+) 7,8 (V-) ONLY PassivePoE No automatic identification of the 802.3 at/af standard
Output Power DC OUT	Max. 20W
Input Voltage	44 ... 58 VDC (PoE) PINY PoE: 1,2 (V-) 3,6 (V+) 4,5 (V+) 7,8 (V-)
Ports Protection	Inverter overload protection 2A with auto return
Indication	LED red - presence of output voltage
Housing Construction	Universal mounting base, mounting studs, TH35 rail with additional bracket, can be screwed to flat surface
Ingress Protection Rating	IP20
Operating Temperature	-25 ... +50°C
Dimensions	51 x 51 (73)x 21 mm
Weight	0,031 kg

WARNING



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

Installation

- Using the jumpers, select the appropriate power configuration (see the table at the end of the manual or on the module label for details).
- Mount the device and attach the UTP cables. RJ-45 connectors on the cable should be made according to the T568B standard.
- Connect the DC plug to the socket of the powered device. If all connections have been made correctly then the device (such as a camera) should be powered.
- The total power consumed by the receivers connected to the adapter must not exceed the power budget offered by the power switch.
- Before connecting the receiver, make sure what the correct PoE voltage level is and on which pairs power should be given.
- Applying the wrong supply voltage, wrong polarity, or selecting the wrong supply pairs can result in unstable operation or, in some cases, damage to the device.

Jumpers configuration

Configuration of inverter output voltage

		Voltage	Description
DC OUT		**5 V**	Inverter output voltage 5 V max 10W
DC OUT		**12 V**	Inverter output voltage 12V max 20W
DC OUT		**24 V**	Inverter output voltage 24V max 20W

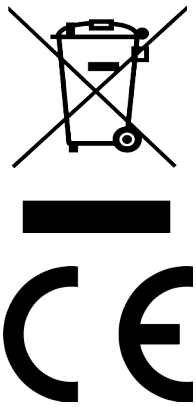
Configuration of presence and output voltage value of LAN / LAN + PoE Out connector

		PoE OUT	Description
PoE OUT		**PoE IN**	PoE input voltage transferred to output
PoE OUT		**DC OUT**	PoE output voltage the same as the voltage set in the DC OUT converter
PoE OUT		**LAN**	No PoE power - only LAN present

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.
- 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.

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.