

SDIP-40-120

Gigabit Ethernet PoE step-down adapter

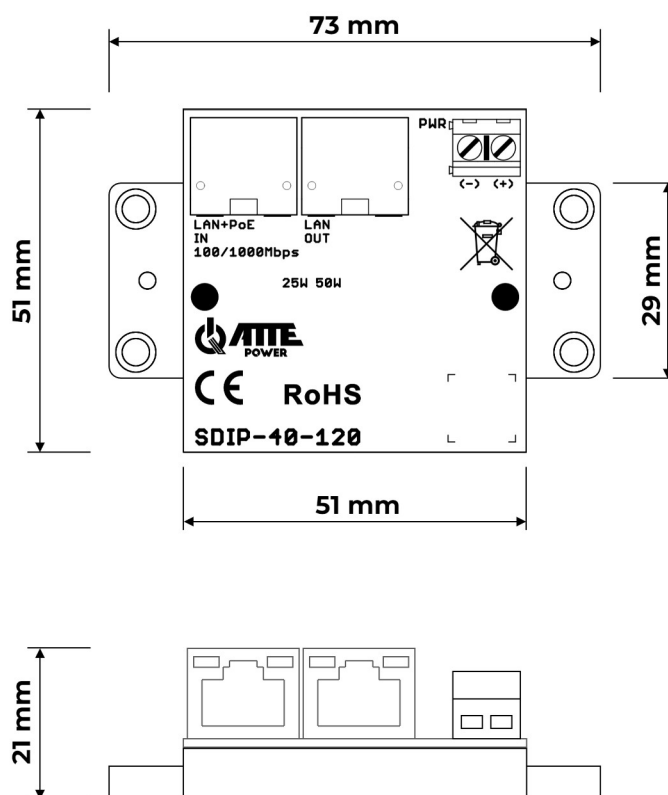
Vout 12V, Pout 40W, 10/100/1000Mbps, 802.3at/bt and PASSIVE

INSTRUCTION MANUAL

SDIP-40-120 Gigabit Adapter is a non-isolated DC/DC voltage step-down converter. The device is a dedicated solution for supplying devices with 12V DC with a 40W budget, using PoE 802.3at/bt or PoE PASSIVE 44...56 VDC. By supplying from PoE, you get a stable 12V to power the device and a LAN output on an RJ45 connector.

The primary use of the adapter is to power devices such as:

- NVR with disk
- Cameras in combination with IR lighting, a siren, microphone or loudspeaker
- IP video door station with door opener
- Non-standard PoE devices (e.g. those not compatible with the 802.3af/at standard)



General view of the device

Technical Specification

Supported PoE power supplies	802.3 at/bt or PASSIVE PoE RJ45 Port 10/100/1000Mbps
Connectors	1x RJ45 Port LAN POE IN 10/100/1000Mbps 802.3 at/bt 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 +)
Output Power	40 W – continuous load 50 W – maximum load (During the activation of the NVR recorder)
Input Voltage	44 ... 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
Indication	LED PWR (red) - power supply present LED in LAN connectors (yellow) - presence of PoE power on the port LED 25W (red) - the unit is powered by 802.3at standard and has 25W on the DC plug LED 50W (red) – the unit is powered by 802.3bt standard and has 50W on the DC plug
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	0,032 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 a powered device. If all connections have been made correctly then the device (e.g. the recorder) should be powered.

Operation Indication

- LED PWR (red) - power supply present
- LED on RJ45 connectors (yellow) -presence of PoE
- LED 25W (red) - power supply to the device from the LAN+PoE IN port in 802.3at standard up to 25W available on the DC plug
- LED 50W (red) - power supply for the device from the LAN+PoE IN port in 802.3bt standard up to 50W available on the DC plug

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.

