

AEPI-4-10-OF

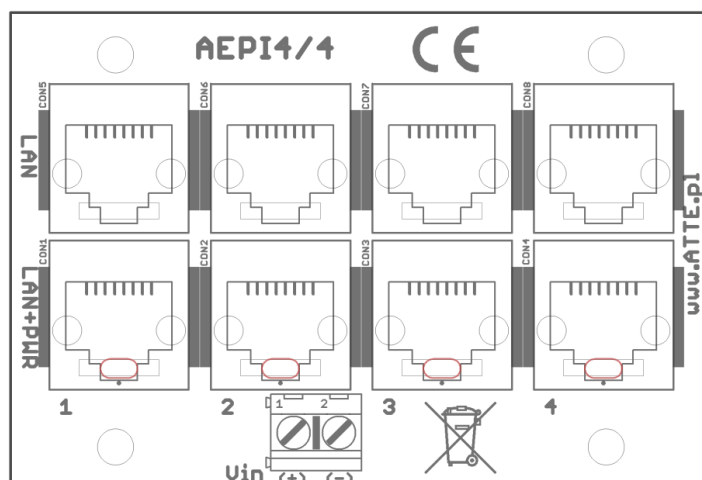
PoE PASSIVE 4-channel adapter, Fast Ethernet 10/100 Mbps + PoE, polymer fuse, built-in module

INSTRUCTION MANUAL

AEPI-4-10-OF is a PoE injector designed to supply power to CCTV devices operating in the PoE 802.3af/at and PoE PASSIVE standards.

It is capable of powering 4 PoE 802.3af/at or PASSIVE receivers up to 40W power budget per port. The presence of power is indicated by an illuminated LED in the RJ-45 connectors.

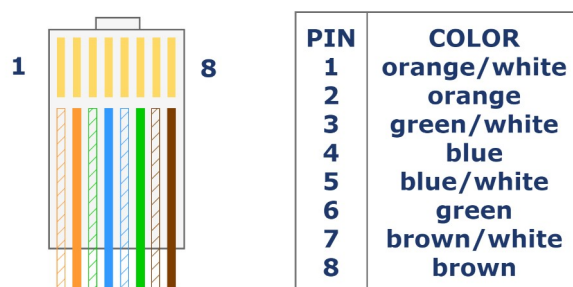
The OF (Open Frame) design allows the device to be built into any enclosure, but the most convenient way of mounting it is in dedicated ABOX series enclosures and mounting plates, equipped with a special hole in the 10.8mm raster. This is compatible with the mounting hole spacing of the built-in modules. This system solution allows the selected devices to be mounted vertically or horizontally in any punched-out part of the housing or mounting plate.



General view of the device

Technical Specification

Number of channels	4
Supported PoE receivers (standard / max power)	802.3af - up to 15.4W (Vin > 44VDC) 802.3at - up to 30W (Vin > 44VDC) PoE PASSIVE - up to 40W (Vin > 55VDC)
Input voltage range	10...56VDC
Output voltage for PoE devices	Vout = Vin
Output short-circuit protection	Polymer fuse 4 x 0.75A
Operating Temperature	-25°C...+50°C
Housing Construction	Built-in module
Assembly	Snap-on distance pins, mounting holes in 10.8 mm grid
Ingress Protection Rating	IP20
Dimensions	77x51x17 mm
Weight	0,05kg



standard T568B

The correct way to connect the wires in an Rj45 plug (standard T568B)

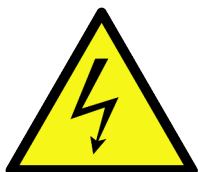
PIN	LAN 10/100/1000 Mbps	LAN 10/100/1000 Mbps + PoE	LAN 10/100/1000 Mbps + PoE	LAN 10/100/1000 Mbps + PoE
1	TP1 +	TP1 + DC (-)	TP1 + DC (-)	TP1 +
2	TP1 -	TP1 - DC (-)	TP1 - DC (-)	TP1 -
3	TP2 +	TP2 + DC (+)	TP2 + DC (+)	TP2 +
4	TP3 -	TP3 - DC (+)	TP3 -	TP3 - DC (+)
5	TP3 +	TP3 + DC (+)	TP3 +	TP3 + DC (+)
6	TP2 -	TP2 - DC (+)	TP2 - DC (+)	TP2 -
7	TP4 +	TP4 + DC (-)	TP4 +	TP4 + DC (-)
8	TP4 -	TP4 - DC (-)	TP4 -	TP4 - DC (-)

The use of pins in the Rj45 plug depending on how the power supply is connected

Safety Precautions

- The device is intended for installation by a qualified installer who has appropriate competences and permits and authorizations (if required for a given country) to connect (interfere with) low-voltage installations.
- The device should be installed indoors. About normal air humidity and temperature. The method of mounting the device and laying the cabling should ensure free air flow. It is recommended to use ABOX series housings, which allow for convenient installation outdoors, indoors and in RACK cabinets.
- For proper operation of the module, appropriate voltage and current capacity of the power source must be ensured.
- Any maintenance operations may only be performed after disconnecting the power supply. Under normal conditions, the device does not require any maintenance.
- In case of damage or doubts as to the correct operation of the device, stop using it immediately.
- In the case of fiber optic devices, do not look into the fiber optic port when the device is turned on. The invisible beam can damage the retina of the eye.
- Before connecting PoE PASSIVE receivers (e.g. WiFi antenna), make sure that the voltage value and polarization on the RJ45 pins of the switch or power adapter are consistent with the values allowed by the receiver.

WARNING



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

Installation

- Mount the device in the selected enclosure.
- Connect the DC power supply to the Vin screw connector maintaining the correct polarity.
- The presence of power at the LAN+PWR 1 ... 4 output connectors should be signalled by a red LED next to each connector.
- Connect the receivers to the RJ45 connectors of the LAN+PWR 1 ... 4 channels.
- After short-circuiting or overloading one or more output channels, disconnect the Vin input power supply for approx. 5 seconds.
- Simultaneous extinguishing of all LEDs after connecting a receiver or after a short circuit indicates an overload of the source power supply.

Operation Indication

- LED in RJ-45 LAN+POWER connectors - presence of PoE power supply

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.

