ETH-ETH500-SET

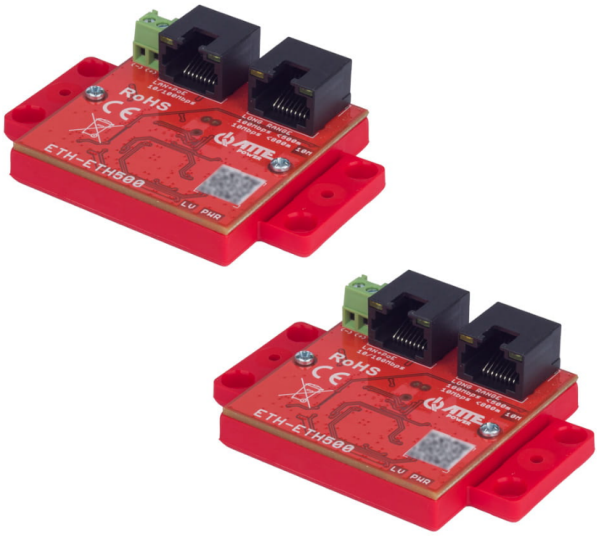
LAN+PoE network range extender up to 800m

ETH-ETH500-SET is a set of converters extending the range of a LAN network with PoE.

Installed between any PoE switch and a PoE-powered IP camera, it allows you to increase the network range up to 800m using a standard UTP cable.

The devices enable the installation of cameras or other IP PoE devices in remote places where installing additional cabling is impossible or unprofitable. It is an economical alternative to cabling based on optical fiber and a separate power line. It will work well in installations in large areas as well as in places where the monitoring system is temporary and where the cost of preparing the cabling is important.

ETH-ETH500 module is powered by any PoE switch (RJ45 port) and then via a UTP cable, enabling two-way network communication and powering the ETH-ETH500 module with a connected camera. The maximum length of cables in the LONG RANGE track is 800m. A camera or other PoE receiver can be connected to the RJ45 port of the ETH-ETH500 module at the end of the line. The devices can optionally be powered from POWER screw connectors.



FEATURES:

- transmission range up to 800 m at 10 Mbps
- transmission range up to 500 m at 100 Mbps
- miniature design allows for mounting in the camera base
- can be powered by an 802.3at/af PoE switch, PASSIVE PoE, or via screw terminals with 12–58 VDC
- up to 50 W total power
- clear, visual indicators for power and data transmission status
- very low power consumption (< 1.35 W)
- easy and quick startup without configuring parameters

DESIGNED AND MADE IN POLAND

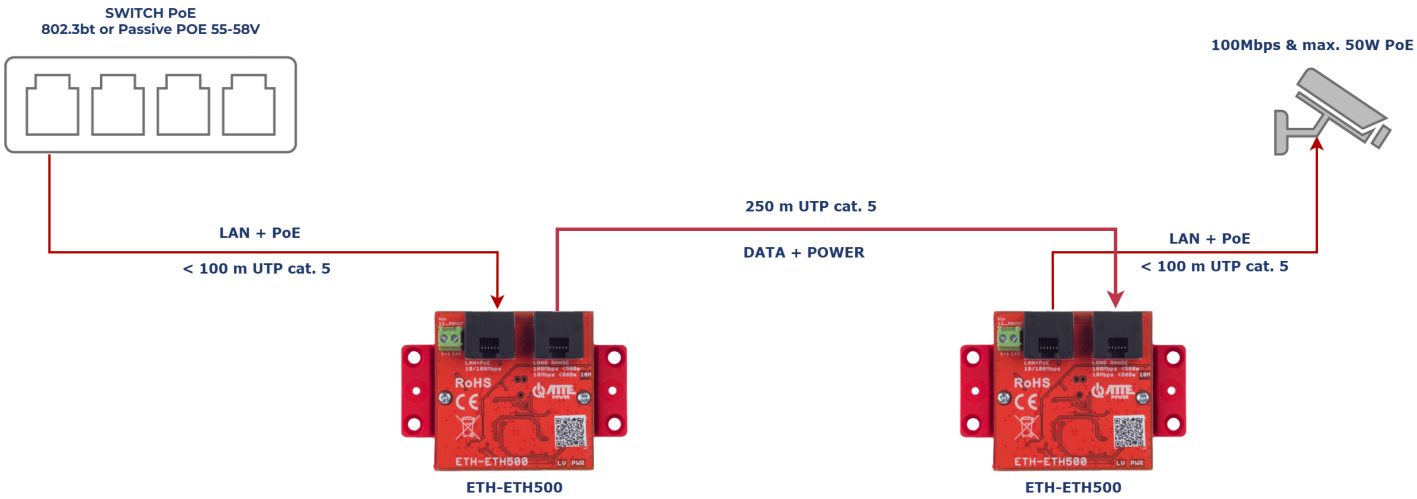
ETH-ETH500-SET

TECHNICAL SPECIFICATION:

LAN Ports	LAN + PoE, LAN + PoE LONG RANGE
Selecting the PoE Standard (af/at)	LAN + PoE IN: automatic LAN + PoE OUT: automatic
Maximum distance LONG RANGE line	Maximum distance LONG RANGE line < 250m - UTP 100Mbps power max. 50W PoE < 500m - UTP 100Mbps power max. 25W PoE < 800m - UTP 10Mbps power max. 15W PoE
Input Voltage	Vin PoE = 44 ... 58 VDC Vin = 12 ... 58 VDC
Output PoE Voltage	Vout = Vin
Power consumption	1,35 W

Indication	PWR LED voltage presence LED in RJ45 port (yellow) - PoE power presence LED in RJ45 port (green) - link and data transmission
Housing Construction	Universal mounting base
Operating Temperature	-25°C...+65°C
Ingress Protection Rating	IP20
Dimensions51 x 51(73) x 21 mm	51 x 51(73) x 21 mm
Weight	0,026kg

An example of using the ETH-ETH500-SET as a LAN+PoE extender for up to 250 metres of Cat 5e UTP cable.



Example of using the ETH-ETH500-SET as a LAN+PoE extender for up to 800 metres of Cat 5e UTP cable.

