

IPMP-70-550

PoE Power supply/Midspan PoE Passive 55V 70W 1 channel 10/100/1000Mbps

INSTRUCTION MANUAL

The IPMP-70-550 is used to power PoE-compliant devices in LAN networks. Placed between a switch that does not have PoE power (or does not have a sufficient power budget) and network devices (e.g. cameras, access points, extenders), it enables simultaneous power and data transmission to PoE IP devices using a single UTP cable at 10/100/1000Mbps.

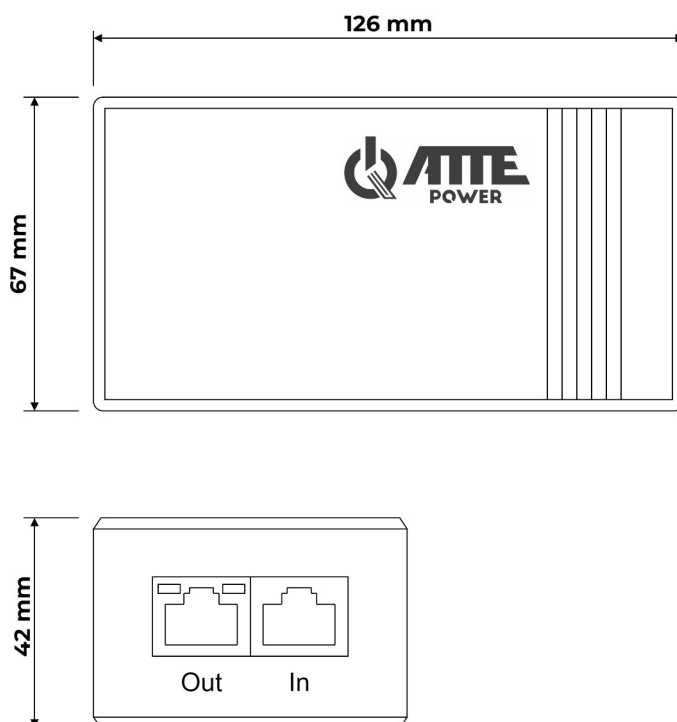
Power over Ethernet (PoE) is an easy-to-install, fast and cost-effective solution for powering network products. There is no need to replace existing Ethernet switches and cabling.

In combination with the APT series, it enables us to create extensive installations in a tree topology using only UTP cables without 230VAC power supply.

It provides power using both data pairs in UTP (1/2 and 3/6) and after free pairs (4/5 and 7/8). This allows maximum use to be made of the available cabling and powering of demanding receivers.

Notes:

The unit is supplied with 230V mains voltage and does not offer buffer power backup. A power cable is included in the scope of supply. The unit is rated for continuous operation at 70W with proper cooling during operation. It does not have an on/off switch, so adequate protection must be provided and the user must be instructed on how to switch off.



General view of the device

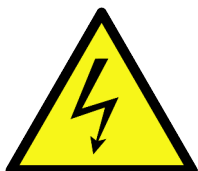
Technical Specification

LAN Ports	2x RJ45 ports 10/100/1000Mbps 1x LAN IN 1x LAN+POE OUT
	LAN IN Ethernet input 10/100/1000Mbps
Funkcje portów	LAN + PoE OUT 10/100/1000Mbps Output LAN + Passive PoE with autonegotiation PoE Pinout: 1,2 (V-) 3,6 (V+) 4,5 (V+) 7,8 (V-)
Operating Modes	Passive PoE with autonegotiation (e.g. all ATTE ecosystem devices of the xPoE-xx series, WIFI AP distribution points)
Input Voltage	190 ... 260 VAC, 50 Hz
Output Voltage	55 VDC +/-2%
Power	70 W
Efficiency	95% @70 W
Ports Protection	LAN + PoE OUT Overvoltage protection with auto-recovery Overload protection with auto-recovery Thermal protection at 70°C AC_IN Overvoltage protections Overload protection
Indication	LED in RJ45 connectors: LAN+PoE OUT (yellow) RJ45- presence of PoE LAN+PoE OUT (green) RJ45 – link and data transmission
Housing Construction	Dedicated plastic casing
Operating Temperature	-10°C...+50°C
Ingress Protection Rating	IP20
Dimensions	67 x 126 x 42 mm
Weight	0,19kg

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 in the desired location.
- Connect an RJ45 network cable to the LAN port
- Connect the 230VAC power supply to the AC_IN connector using the supplied cable
- Connect UTP cable to LAN+PoE OUT (connector with LEDs)
- Ensure free circulation of air at the installation site

Operation Indication

LED in RJ45 connectors:

- LAN+PoE OUT (yellow) RJ45 - presence of PoE
- LAN+PoE OUT (green) RJ45 - link and data transmission

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.

