APT-5-50

5-port PoE switch – gigabit LAN + PoE extender

1xPoE IN 802.3af/at/bt90 + 4xPoE OUT 802.3af/at/bt60

APT-5-50 is an unmanaged gigabit PoE network switch working as an extender (repeater) of the LAN network and PoE power supply. Most often used as an "active splitter" in situations when we need to run several network devices (e.g. several IP cameras) on one UTP cable or when an additional network branch is necessary.

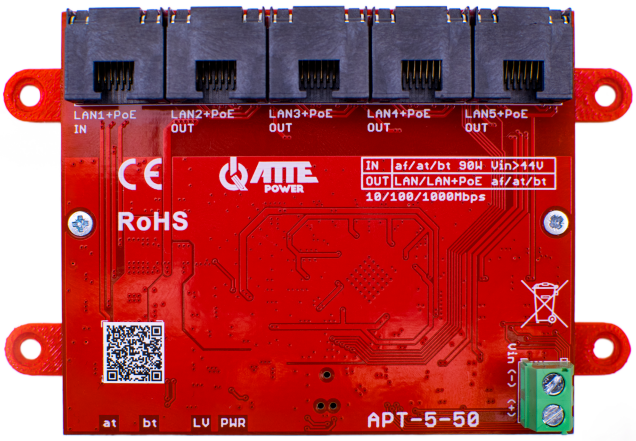
It is designed to work with any network devices, IP cameras and other devices powered by the PoE 802.3af/at/bt standard.

Once the device has been connected to ports 2–5, the receiver is identified and, if it is a PoE-powered device, power will be turned on in the port.

All ports provide a throughput of 1Gbps, which is important for connections in a bus topology.

The device has a very small size, which allows for easy installation in small spaces.

The APT (Atte Power Tree) product series allows you to connect system elements in a tree topology. APT devices can be powered directly from PoE. Power transmitted over a single UTP cable allows you to power several IP cameras.



FEATURES

- can be powered from another PoE switch in 802.3af, 802.3at, 802.3bt60, 802.3bt90 or PoE Passive (PoE IN port) standards
- ability to power up to 4 PoE 802.3af/at/bt60 receivers
- amplifies and distributes the network signal (full-featured 1000Mbps switch)
- cascaded power supply (one switch powers another)
- up to 90W total power when powered from UTP
- easy and quick commissioning without configuring parameters
- very low power consumption (< 0.3 W)
- wide operating temperature range

DESIGNED AND MADE IN POLAND

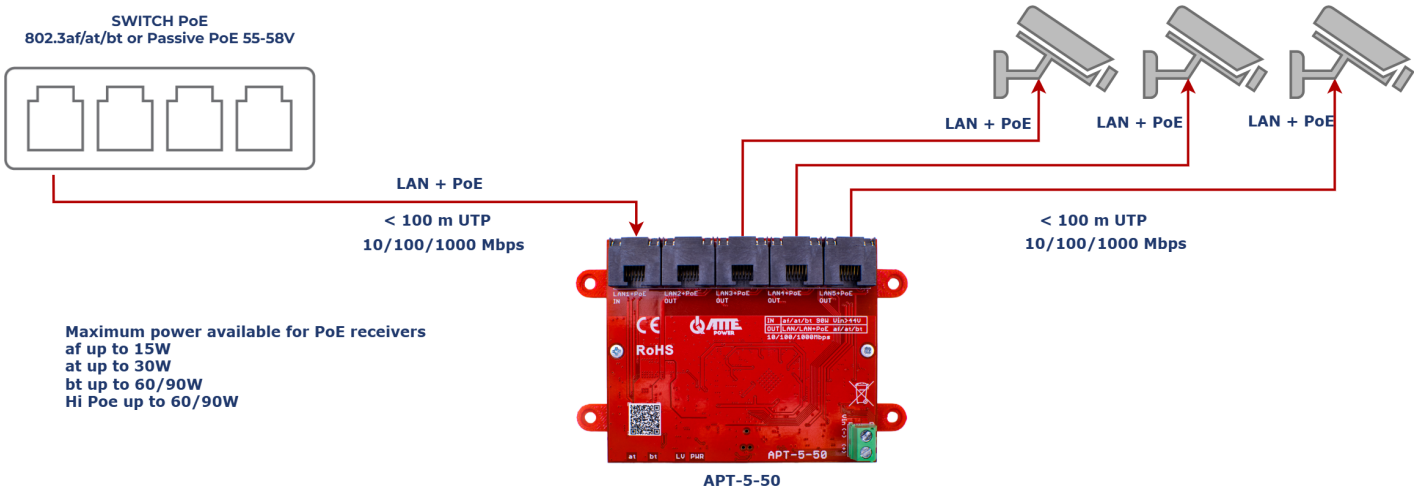
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TECHNICAL SPECIFICATION

LAN Ports	5 RJ45 Ports 10/100/1000Mbps (auto MDI-MDIX, auto-negotation)
PoE IN	LAN 1 PoE 802.3af/at/bt90, PoE Passive
PoE OUT	LAN 2 ... LAN 5 PoE 802.3af/at/bt60
PoE (af/at/bt) Selection	LAN1 (PoE IN): automatic
Input Voltage	LAN1 PoE IN: 44 ... 58 VDC DC IN: 44 ... 58 VCD
Output Voltage	Vout = Vin
Power consumption	0,3 W
Ports Protection	LAN 1 ... LAN 5: Surge protection LAN 2 ... LAN 5 Overload protection 0,7 A

Indication	LED PWR – power LAN 1 ... LAN 5 (green) - link and data transmission LAN 2 ... LAN 5 (yellow) - PoE power LED at - identification as a 30W PoE receiver LED bt - identification as a 60W PoE receiver LED bt + LED at - identification as a 90W PoE receiver LED LV LowVoltage signaling LED (<44V)
Housing Construction	Universal mounting base
Operating Temperature	-25 ... +65°C
Ingress Protection Rating	IP20
Dimensions	70x 84(105) x 21 mm
Weight	0,08 kg

Basic application example of APT-5-50 as LAN+PoE extender for 3 PoE IP cameras.



Example of use of APT-5-50 as LAN+PoE extender for 6 PoE 5W IP cameras.

