

IP-5-11-E

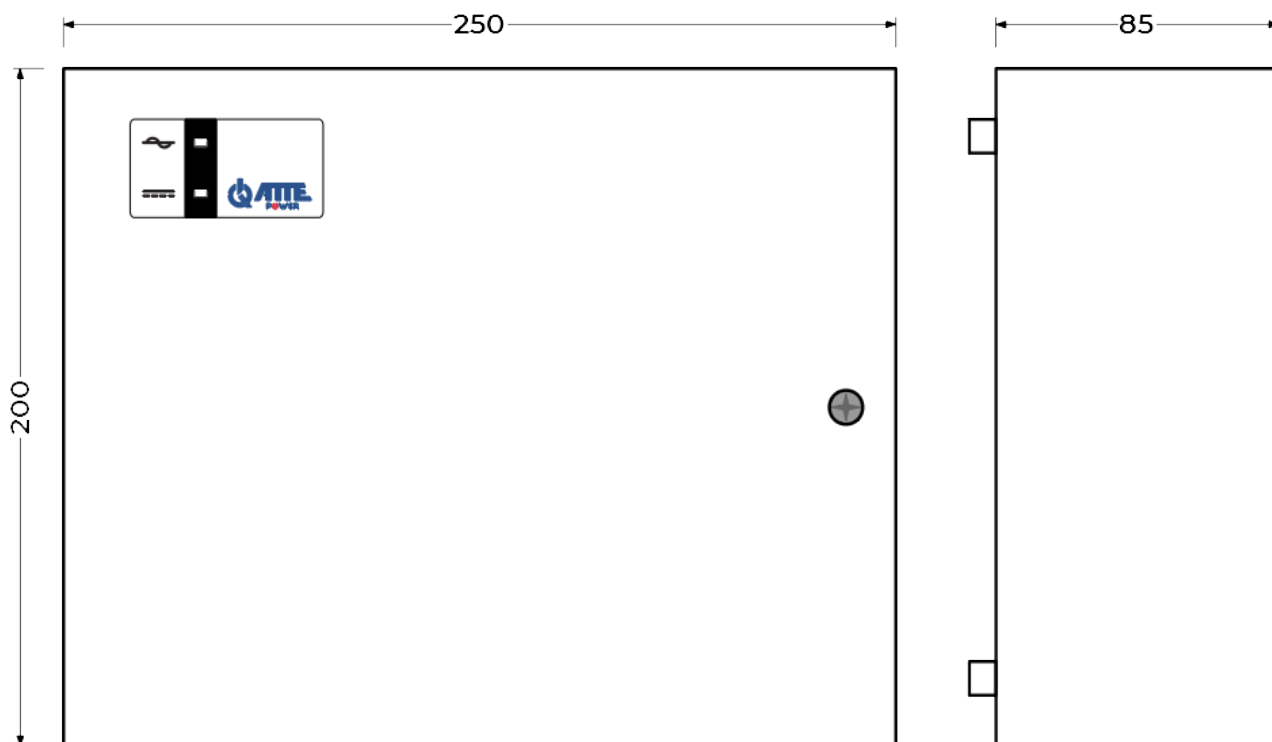
APT indoor PoE switch 5P+1UP 96W budget

INSTRUCTION MANUAL

IP-5-11-E PoE switch is a convenient solution for powering IP cameras from one central point. The device has been designed to work with IP cameras, as well as other network devices operating in the PoE 802.3at / af and PoE PASSIVE standards.

The LONG RANGE mode allows to increase the transmission range up to 280 m over a single UTP cat5 cable with no additional signal boosters required.

The device is enclosed in the internal housing of the ABOX series, which is a convenient solution to the problem in the construction of monitoring devices and the wiring inside buildings. The housing is made of steel sheet painted with semi-matt, white color paint.



General view of the device

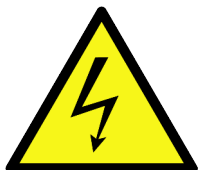
Technical Specification

LAN Ports	6 ports RJ45 10/100Mbps 5 x PoE, 1 x UPLINK
Ports Functions	LAN 1 ... LAN 4: PoE OUTPUT - for PoE PASSIVE (up to 40W) or 802.3af (up to 15,4W), 802.3at (up to 30W) LAN5: PoE INPUT - for PoE PASSIVE (up to 70W) or 802.3af (up to 15,4W), 802.3at (up to 30W) LAN6: UPLINK data only, PoE unavailable
Operating modes	Mode "STANDARD" (MODE = OFF) LAN 1 ... LAN 6 - 10/100Mbps, up to 100m range Mode "LONG RANGE" (MODE = ON) LAN 1 ... LAN 4 - 10Mbps, up to 280m range LAN 5 ... LAN 6 - 10/100Mbps, up to 100m range
PoE Output Voltage	48 VDC +/- 2%
Power	96 W
Efficiency	92% @90W
Input Voltage	190 ... 260 VAC, 50 Hz
Power Supply Input Protection	Slow blow fuse 3,15A Overvoltage protection
Power Supply Output Protection	3 A Overload electronic protection Electronic short circuit protection (after short circuit it may be necessary to restart power supply) Overvoltage protection
Ports Protection	LAN 1 ... LAN 6, VIN Overvoltage protection LAN 1...LAN 4 Short circuit protection at 0,75A with auto recovery LAN 5 Short circuit protection at 1,25A with auto recovery
Indication	APS-90-480-OFF: LED_AC (YELLOW) - mains power supply LED1 (BLUE) - output voltage xPoE-6-11-OFF: LEDs in connectors LAN 1 ... LAN 5 - PoE power on port PoE ON/OFF DIL switch - position 2 ... 6 (LAN 1 ... LAN 5)
Power Control	PoE OFF - DIL switch position OFF, LED RJ45 backlight disabled PoE ON - DIL switch position ON, LED RJ45 backlight enabled
Housing Construction	Enclosure ABOX-E Enclosure material - steal plate 0,8 mm Enclosure painted with white paint Mounted tamper switch System drilling 4,8 mm in 10,8 mm pitch Wall distance Mounting holes 6 mm
Assembly	Wall mounting through 6 mm mounting holes
Ingress Protection Rating	IP20
Operating Temperature	-10 ... +40°C
Dimensions	250 x 200 x 85 mm
Weight	1,47 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 in the selected place.
- Turn OFF PoE power on ports that are intended for communication with non PoE devices (eg PC).
- Connect the 230 VAC power cables to the L, N terminals.
- Connect UTP cables that power PoE devices (cameras).
- Turn on the 230VAC mains power supply.
- LEDs AC, LED1 and LED diodes in RJ-45 sockets with PoE power on should light.
- Check the operation of all PoE receivers attached to the switch.
- Close the enclosure.

Operation Indication

- LED AC ORANGE - presence of 230VAC mains power supply
- LED1 BLUE - presence of 48VDC voltage at the power supply output
- LED RED in LAN 1 ... LAN 5 connectors - presence of PoE power at specified port

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.

