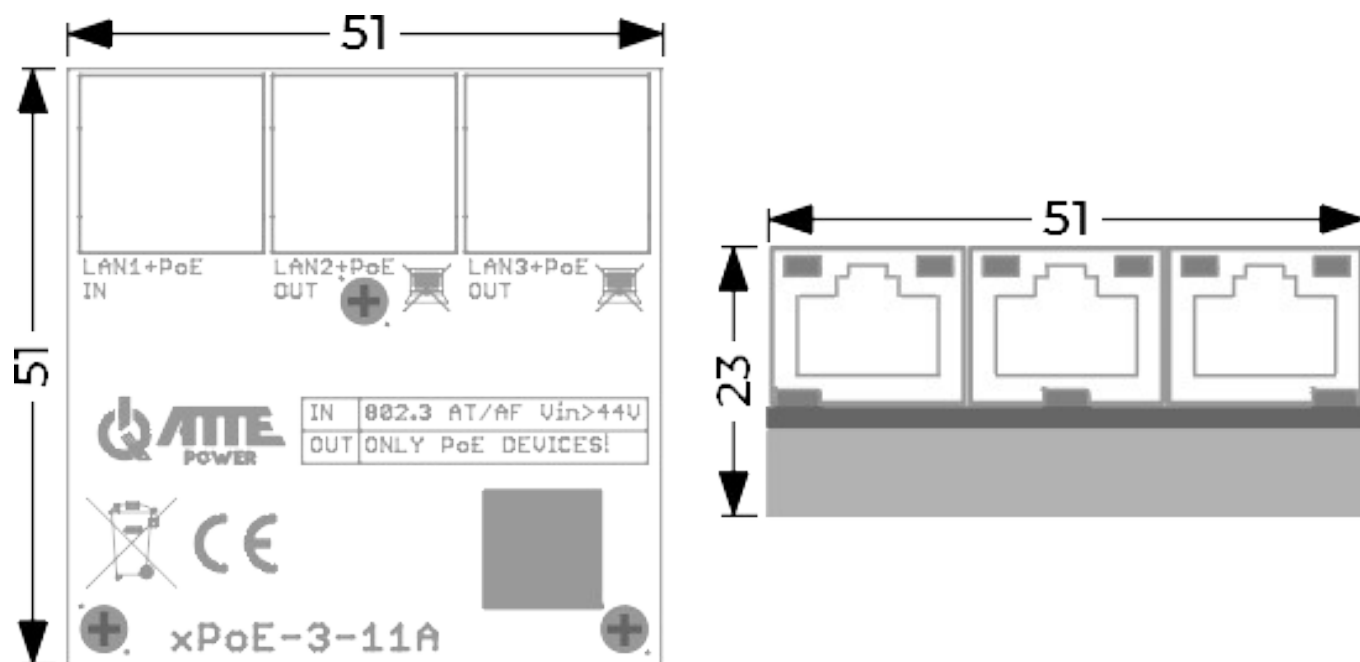


xPoE-3-11A Switch PoE 3 ports extender 10/100Mbps

INSTRUCTION MANUAL

xPoE-3-11A is an unmanaged PoE network switch operating as a LAN network extender (repeater) and PoE power supply. The device regenerates the network signal and transfers the PoE power supply to selected outputs. Most often used as an amplifier for extending the network on sections longer than 100m. In addition, it is ideally suited as an active splitter in situations where on one UTP cable we need to run several PoE receivers (e.g. IP cameras), or when an additional network branch is necessary.

Unmanaged PoE switches xPoE series are designed to operate with IP cameras and other network devices powered in the PoE 802.3at / af and PoE PASSIVE standard. The housing in the HS version is a solution that provides insulation and small dimensions of the device. This allows easy installation of the device in limited space.



General view of the device

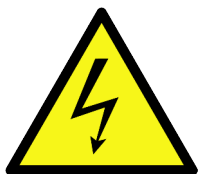
Technical Specification

LAN Ports	3 ports RJ45 10/100Mbps (auto MDI-MDIX, autonegotiation) 1 x LAN+PoE IN 2 x LAN+PoE OUT
Ports Functions	LAN 1: PoE INPUT (switch power supply): PASSIVE (up to 40W) or 802.3af (up to 15,4W) or 802.3at (up to 30W) PoE PINS: 1,2 (V+/-) 3,6 (V+/-) and/or 4,5 (V+/-) 7,8 (V+/-) LAN 2: PoE OUTPUT (PoE powered devices, camera or another extender): PASSIVE (up to 40W), 802.3af (up to 15,4W), 802.3at (up to 30W) PoE PINS: 1,2 (V-) 3,6 (V+) and 4,5 (V+) 7,8 (V-) LAN 3: PoE OUTPUT (PoE powered devices): PASSIVE (up to 40W), 802.3af (up to 15,4W), 802.3at (up to 30W) PoE PINS: 4,5 (V+) 7,8 (V-)
PoE (at/af) Selection	LAN1 (PoE IN): automatic, default 802.3at if supported by PSE switch
Power Supply Voltage	LAN1: 44 ... 56 VDC (Vin) Vout = Vin
Output Voltage	CAUTION! For 802.3at/af PoE powered devices $V_{in} > 44VDC$
Power consumption	0,5 W
Ports Protection	LAN 1 ... LAN 3: Overvoltage protection LAN 1: Overload protection 1A with auto recovery
Indication	LEDs in RJ45 connectors: LAN 1 ... LAN 3 (YELLOW) - LAN 1 ... LAN 3 PoE power LAN 1 ... LAN 3 (GREEN) - LAN 1 ... LAN 3 link and transmission
Housing Construction	Polycarbonate
Operating Temperature	-25°C...+65°C
Ingress Protection Rating	IP20
Dimensions	51 x 51 x 23 mm
Weight	0,042kg

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 location.
- Connect PoE power supply line for port LAN1+PoE.
- Connect UTP cables leading to IP devices (LAN2, LAN3).

We recommend using the LAN2 + PoE OUT port to power the next extender (power supply on all pairs = lower cable losses)

Attention!

The total power consumed by the cameras connected to the extender (PoE receivers) may not exceed the power budget offered by the switch supplying the entire line:

- for the 802.3af standard it is approx. 13W available on the extender
- for the 802.3at standard it is approx. 25W available on the extender
- for PoE Passive it is a maximum of 40W available on the extender

Include IR illuminators - they turn on at night, significantly increasing power consumption.

Also take into account the losses in the power cable - they depend on its cross-section, length and the value of the voltage on the PoE line.

Operation Indication

- LED in LAN connector (yellow) – PoE power on specified port LAN 1 ... LAN 3
- LED in LAN connector (green) – transmission on specified port LAN 1 ... LAN 3

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.

