

xPoE-5-50-OF

Indoor PoE switch gigabit

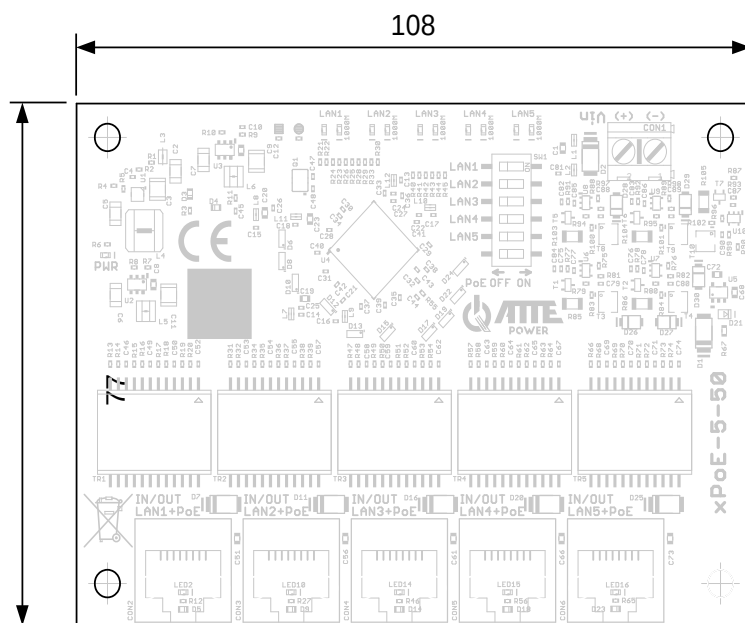
5xPoE 10/100/1000Mbps (2x 100W + 3x 70W)

INSTRUCTION MANUAL

xPoE-5-50-OF is a universal PoE switch dedicated to IP CCTV systems. The device is designed to work with IP cameras and other network devices powered in the PoE 802.3at / af and PoE PASSIVE standard.

The device is especially recommended for systems that require higher network bandwidth, such as CCTV 4K Ultra HD monitoring.

The open frame (OF) construction allows the device to be installed in any suitable third party housing. It is highly recommended however to use our dedicated ABOX series enclosures that come with a pre-drilled backplate (4,8mm diameter, pitch 10,8mm) allowing both horizontal and vertical installation.



General view of the device

Technical Specification

LAN Ports	5 RJ45 ports 10/100/1000Mbps 5 x PoE PASSIVE 35 ... 56V
Ports Functions	LAN 1 ... LAN 3: PoE IN - PASSIVE PoE (up to 72W) - switch power supply PoE OUT - (to PoE powered devices) - PASSIVE up to 72W@56V, 802.3af (up to 15,4W), 802.3at (up to 30W) PINY PoE: 1,2 (V-) 3,6 (V+) 4,5 (V+) 7,8 (V-) LAN4 ... LAN5: PoE IN - PASSIVE PoE (up to 100W) - switch power supply PoE OUT - (to PoE powered devices) - PASSIVE up to 100W@56V, 802.3af (up to 15,4W), 802.3at (up to 30W) PINY PoE: 1,2 (V-) 3,6 (V+) 4,5 (V+) 7,8 (V-) CON1 Vin (-) (+): DC IN (use only if it's NOT powered from PoE ports) - up to 7A (392W @56V) DC OUT (when powered from PoE ports) - up to 1,8A (when powered from LAN 4 or LAN5)
Power Supply Voltage	35 ... 56 VDC
Output Voltage for PoE Devices	Vout = Vin
Ports Protection	LAN 1 ... LAN 5, Vin Surge protection LAN 1 ... LAN 3: 1,3A overload protection with auto recovery LAN 4 ... LAN5: 1,8A overload protection with auto recovery
Indication	LED PWR WHITE - DC input voltage indicator LAN 1 ... LAN 5 RJ45 RED LED Backlight PoE – PoE voltage presence LED LAN 1 ... LAN 5 (green) - link and data transmission, 1000Mbps link for gigabit connection
Power Control	PoE ON/OFF DIP switch - position 1 ... 5 (LAN 1 ... LAN 5) PoE OFF - DIP switch position OFF, LED RJ45 backlight disabled PoE ON - DIP switch position ON, LED RJ45 backlight enabled
Housing Construction	Open Frame module
Assembly	Snap-on spacers, mounting holes in 10.8 mm pitch
Operating Temperature	-25°C...+65°C
Dimensions	108 x 77 x 20 mm
Weight	0,054 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 location and connect the connecting wires.
- Using the SW1 switch, turn off the PoE power on the ports intended for communication with non PoE devices (eg a PC).
- Connect the power supply of the switch to:
 - LAN1 ... LAN5 - when the switch is powered PoE line
 - Vin, GND - when the switch is powered from terminal CON1
- Activate the main power supply so as to power the switch.
- LED PWR and LEDs in RJ-45 sockets where PoE power is switched on should light.
- Connect UTP cables leading to IP cameras (LAN1 – LAN5).
- Check the operation of all PoE devices connected to the switch.

Operation Indication

- LED PWR WHITE - presence of main power supply
- LED RED in LAN 1 ... LAN 5 connectors - presence of PoE power at specified port
- LED GREEN in LAN 1 ... LAN 5 connectors - transmission 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.

