

IP-9-11-L2

Outdoor PoE switch

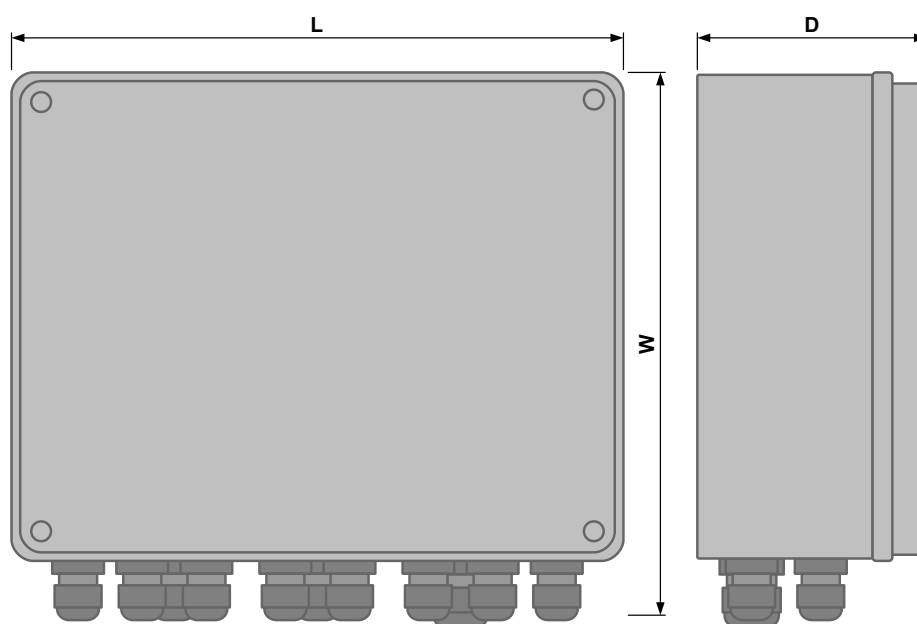
10/100Mbps 9xPoE + 1xUplink

INSTRUCTION MANUAL

IP-9-11-L2 is a set for powering IP CCTV cameras. The device is a convenient solution to the problem of central power supply for surveillance cameras. The device is designed to work with IP cameras and other network devices powered by PoE 802.3at/af and PoE PASSIVE standards.

LONG RANGE mode allows to extend the transmission range up to 280m using standard UTP cable.

The device is housed in an ABOX series outdoor enclosure providing a convenient solution to the problem of protecting devices and cable connections mounted in outdoor conditions. High-quality plastic provides resistance to UV radiation and other unfavorable atmospheric factors.



General view of the device

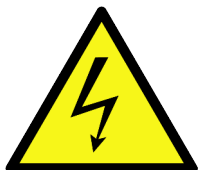
Technical Specification

LAN Ports	6 RJ45 ports 10/100Mbps (auto MDI-MDIX, auto-negotiation) 5 x PoE Passive, 1 x UPLINK
Ports Functions	LAN 1 ... LAN 4: PoE OUT (to PoE powered devices): PASSIVE (up to 40W), 802.3af (up to 15,4W), 802.3at (up to 30W) LAN 5 PoE OUT (to PoE powered devices): PASSIVE (up to 60W), 802.3af (up to 15,4W), 802.3at (up to 30W) LAN6: UPLINK (without PoE)
Operation modes	Operation "STANDARD" (MODE = OFF) LAN 1 ... LAN 6 - 10/100Mbps, up to 100m Operation "LONG RANGE" (MODE = ON) LAN 1 ... LAN 4 - 10Mbps, up to 280m LAN 5 ... LAN 6 - 10/100Mbps, up to 100m
Output Voltage PoE	48 VDC +/- 2%
Output Power	96 W
Efficiency	92% @90W
Input Volgege	190 ... 260 VAC, 50 Hz
Power Supply Input Protection	T3,15 A (Slow Blow Fuse) Surge protection
Power Supply Protection	Electronic overload protection 3A Electronic short-circuit protection (power supply may need to be restarted after a short circuit) Surge protection
Ports Protection	LAN 1 ... LAN 6, Vin Surge protection LAN 1...LAN 4 0,75A @25°C Short circuit protection (with auto return) LAN 5 1,25A @25°C Short circuit protection (with auto return)
Indication	APS-90-480-OF: LED_AC (yellow) – AC input voltage indicator LED1 (blue) - presence of output voltage xPoE-6-11-OF: LED inside RJ45 connectors (red) - LAN 1 ... LAN 5 PoE voltage indicator LED LAN 1 ... LAN 6 (green) - link and data transmission PoE Jumpers (LAN 1 ... LAN 5)
Power Control	PoE OFF - jumper removed (LED inside RJ45 should be off) PoE ON - jumper installed (LED inside RJ45 should be on)
Housing Construction	Enclosure ABOX-L2 Enclosure material - halogen-free, UV resistant Color: grey (RAL7035) Cable entries 10 x M16, 1 x M20
Assembly	Wall mounting using brackets
Ingress Protection Rating	IP56
Operating Temperature	-25 ... +50°C
Dimensions	240 x 220 x 90 mm
Weight	1,00 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 power supply
- LED1 Blue - presence of 48VDC voltage at the output of the power supply
- RED LED in LAN 1 ... LAN 5 connectors - presence of PoE power in individual interfaces.

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.

