

xPoE-6-11-S2

PoE switch 6 ports in an external housing

10/100Mbps 5xPoE + 1xUplink

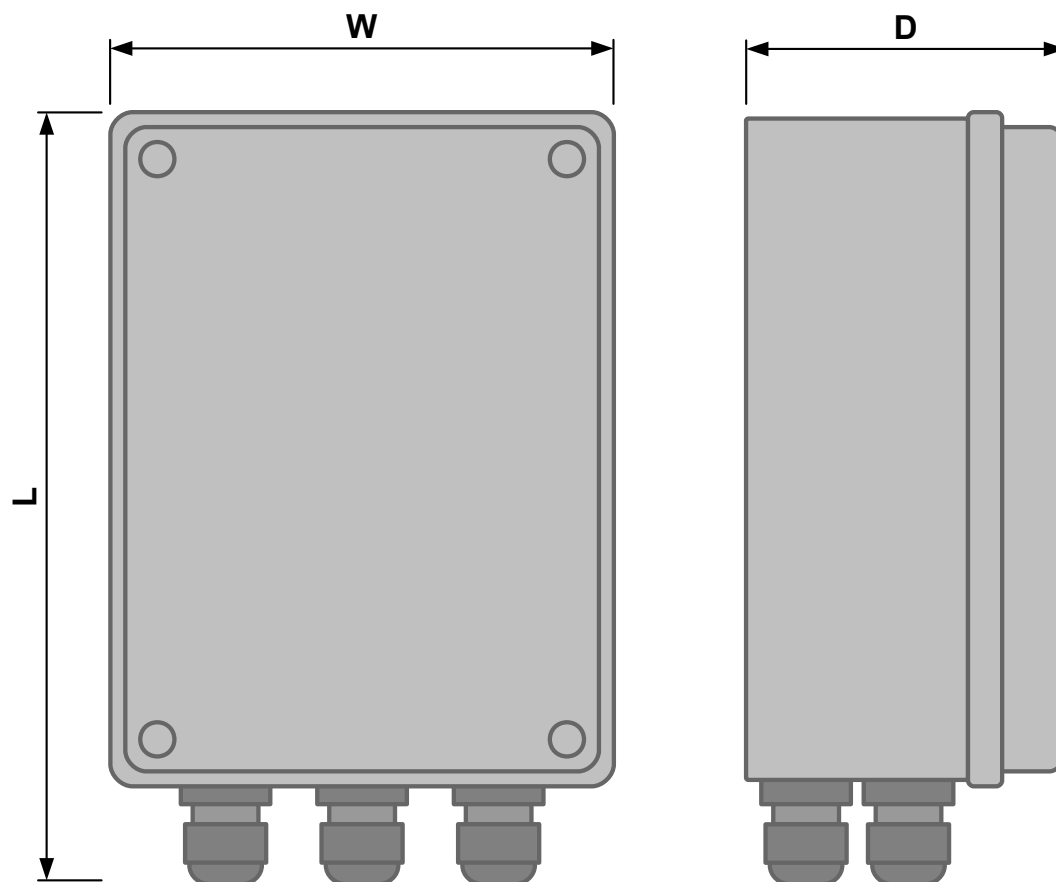
INSTRUCTION MANUAL

xPoE-6-11-S2 is an unmanaged PoE switch dedicated for powering IP CCTV cameras. The device is designed to work with IP cameras and other network devices operating in the PoE 802.3 at/af and PoE PASSIVE standard.

Electronic protection of PoE outputs ensures undisturbed operation of the entire power supply chain at shorting or overloading of individual branches and power recovery after the failure.

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 ABOX series housing, which is an effective solution of protection of devices and cable connections mounted outdoor. High quality plastic ensures resistance to UV radiation and other environmental exposures.



General view of the device

Technical Specification

LAN Ports	6 RJ45 ports 10/100Mbps (auto MDI-MDIX, auto-negotiation) 5 x PoE, 1 x UPLINK
Ports Functions	LAN 1 ... LAN 4: PoE IN (switch power supply) - PASSIVE (up to 40W) PoE OUT (to PoE powered devices) - PASSIVE (up to 40W), 802.3af (up to 15,4W), 802.3at (up to 30W) PoE PINOUT - 4,5 (V+) 7,8 (V-) LAN 5: PoE IN (switch power supply) - PASSIVE (up to 70W) PoE OUT (to PoE powered devices) - PASSIVE (up to 70W), 802.3af (up to 15,4W), 802.3at (up to 30W) PoE PINOUT - 4,5 (V+) 7,8 (V-) LAN6: UPLINK - data only, PoE unavailable
Operating modes	CON1 Vin (-) (+): DC IN (use only if it's NOT powered from PoE ports) - up to 4 A (220W @55V) DC OUT (when powered from PoE ports) - up to 1,25A (when powered from LAN 5) "STANDARD" (DIL Switch MODE = OFF) LAN 1 ... LAN 6 - 10/100Mbps, up to 100m range "LONG RANGE" (DIL Switch MODE = ON) LAN 1 ... LAN 4 - 10Mbps, up to 280m range LAN 5 ... LAN 6 - 10/100Mbps, up to 100m range
Power Supply Voltage	10 ... 56 VDC
Output Voltage	Vout = Vin
Ports Protection	Caution! For 802.3at/af PoE Powered Devices Vin > 44VDC LAN 1 ... LAN 6, Vin Surge protection LAN 1...LAN 4 0,75A overload protection with auto recovery LAN 5 1,25A 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 6 (green) - link and data transmission\ "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 Enclosure ABOX-S2:
Housing Construction	Enclosure material - halogen-free, UV resistant plastic box Color - grey (RAL7035) Built-in steel back plate with system drilling 4,8 mm in 10,8 mm pitch Cable glands 6 x M16
Enclosure Assembly	Wall mounting brackets
Operating Temperature	IP56
Ingress Protection Rating	-25 ... +50°C
Dimensions	176 x 110 x 70 mm
Weight	0,39 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 PoE power supply to:
 - LAN 5 - when device is supplied from PoE line
 - Vin, GND - when device is supplied from terminal connector
- Switch on the main power supply in order to power up the device.
- LED PWR and RJ-45 sockets LED Backlight with PoE power enabled should light.
- Connect UTP cables leading to IP cameras (LAN 1 ... LAN 5) and recorder or switch (LAN 6).
- Check the operation of all PoE receivers attached to the switch.
- Close the enclosure.

Operation Indication

- LED PWR (white) - presence of main power supply
- LAN 1 ... LAN 5 RJ45 LED Backlight (red) - presence of PoE power at specified port
- LED LAN 1 ... LAN 6 (green) - link and data transmission

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.

