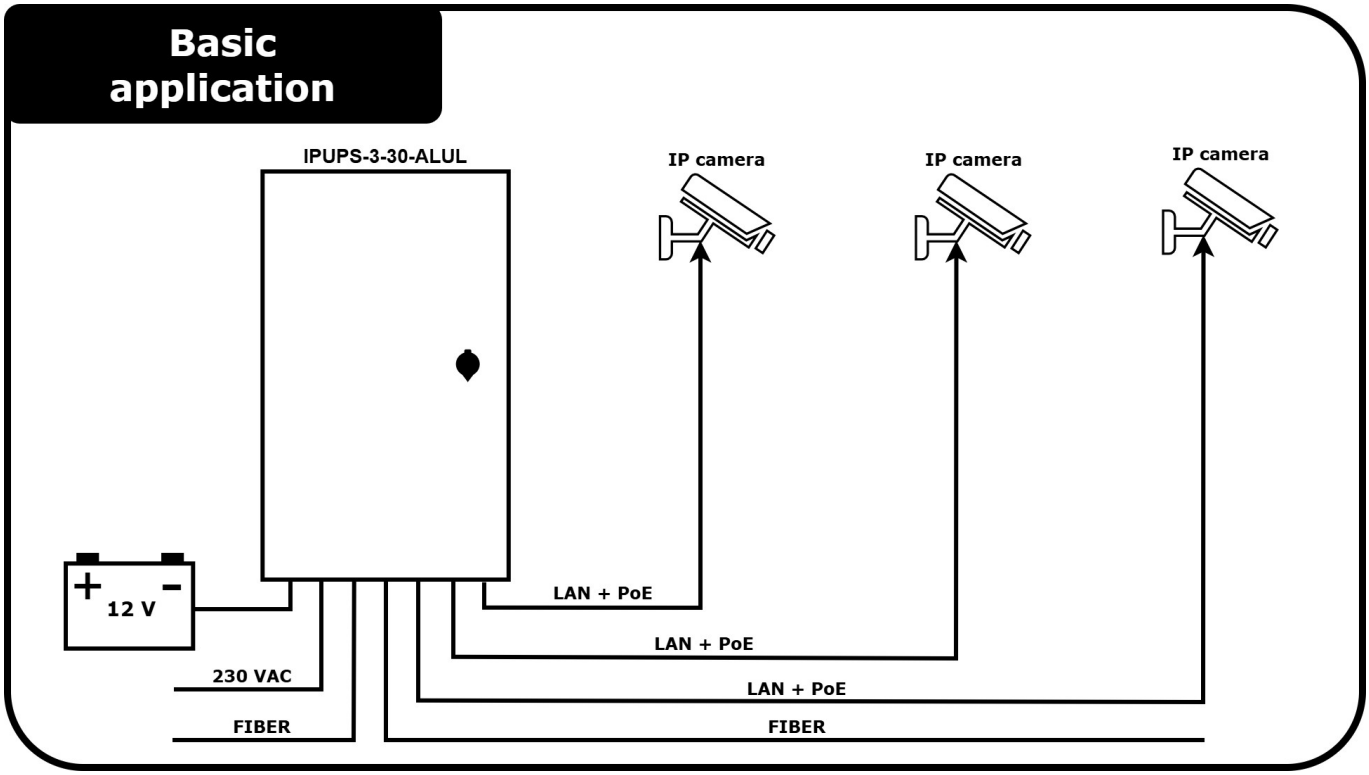
Instruction manual

IPUPS-3-30-ALUL

Buffered PoE kit for up to 3 IP cameras, 2 SFP ports, RING mode

Operation Indication

LED PWR	**White** – power present **Red** - input voltage too low (Vin < 30 V) **Red (blinking)** – input voltage below 44 V
LED SET	**Green** - device in "slave" mode **Blue** - udevice in "master" mode
LAN1 – LAN 4	**Green** - data transmission on the port **Orange** - PoE and data transmission on the port **Red** – network loop on port
FIB 1	**Green** – data transmission on the SFP port **Blue** - SFP RING loop detection
FIB 2	**Green** - data transmission on the SFP port
LED_AC	**Yellow** – mains power present
LED 1 (power supply)	**Green** – output voltage
LED 2	**Red –** battery charging
LED 1 (converter)	**Red –** output voltage



Description

IPUPS-3-30-ALUL is a PoE kit, with buffered power supply, for up to 3 IP cameras (3x 802.3af/at PoE ports and 1x input port) featuring 2 SFP ports. The enclosure provides space for an 18 Ah battery.

The kit is designed for fiber-optic installations; two SFP ports provide simultaneous fiber optic input and output.

IPUPS-3-30-ALUL supports operation in a ring topology. For proper RING operation (without network looping), one device must be configured as "master", as it is responsible for managing data forwarding between the SFP ports. The remaining PoE switches should be in factory setting ("slave" mode).

To change the operating mode of the xFIBER-6-30-OF (PoE switch included in the kit), press and hold the "SET" button for approximately 3 seconds until the adjacent LED starts blinking. Then, switch modes with a single press and confirm the selection by pressing and holding the button again for 3 seconds. In "master" mode, the SET LED should light up blue.

IPUPS-3-30-ALUL can accommodate a 12V / 18Ah battery.

The entire kit is housed in an ABOX-ALUL enclosure with an IP66 rating. The kit includes cable glands, which must be installed by the user in the pre-drilled holes (10 holes for M16 cable glands and 1 hole for a M20 cable gland).

IPUPS-3-30-ALUL can be mounted on a wall using the included adapters. It is also possible to mount the enclosure on a pole using the additional ADD-PMAALUXLS adapter.

Installation

1. Install the device in the selected location.
2. Connect the power cable to AC_IN screw terminal.
3. Connect the battery to the power supply.
4. Connect the fiber optic cables to the SFP ports.
5. Connect the IP PoE receivers to LAN2 – LAN4 ports.
6. Turn on the power.
7. Close the enclosure.

Do you have a problem with your device? Contact us.
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Technical Specification

Connectors	AC_IN screw terminal – 0.25–4 mm², 0.4 Nm cables DC_OUT screw terminal – 0.25–4 mm², 0.4 Nm cables Vin screw terminal – 0.14–2.5 mm², 0.4 Nm cables Technical output – 0.14–1.5 mm², 0.2 Nm cables	
LAN Ports	2 x RJ45 10/100/1000 Mbps 2 x RJ45 10/100 Mbps, 2 x SFP 100/1000 Mbps	
Port functions	LAN 1: PoE input (switch power supply): 802.3af (up to 15W), 802.3at (up to 30W), 802.3bt (up to 60W), 802.3bt (up to 90W) PoE PINS: 1,2 (V+/-) 3,6 (V+/-) and/or 4,5 (V+/-) 7,8 (V+/-) or LAN input LAN 2 ... LAN 4: PoE OUTPUT (power to devices): 802.3af (up to 15W), 802.3at (up to 30W) PoE PINS: 1,2 (V-) 3,6 (V+) 4,5 (V+) 7,8 (V-)	
Additional features	In RING mode, one of the modules must be set as the "master", and then all switches must be connected via fiber optic cable in a ring topology.	
Switching capacity	8,4 Gbps	
Input voltage	190 ... 260 VAC, 50 Hz	
Maximum output power	100 W	
Efficiency	90% @100 W	
Output PoE voltage	55 VDC +/- 2%	
Power supply protection	Input: 3.15 A fuse Output: 12 A electronic overload protection	
Battery circuit protection	Battery cut-off for voltage below 10.8 V 10 A fuse	
Startup in the lack of AC power	START button	
Battery charging current	1 A or 2 A	
Battery	12 V Gel or AGM	
Port protection	LAN 1 ... LAN 4: Surge protection LAN 2 ... LAN 4: Overload protection at 0.7 A	
Technical output (open-collector)	RING_F – proper RING topology connection, allowing break detection in the ring connection (for the "master" device only) LOOP – indicates a network loop on the RJ45 port GND – ground ACF – AC voltage status (mains power absent - pulled down to GND) OUF – output voltage status (output voltage absent – pulled down to GND)	
Indicators	LED PWR	White – power present Red – input voltage too low (Vin < 30 V) Red (blinking) – input voltage below 44 V
	LED SET	Green – device in „slave" mode Blue – device in „master" mode
	LAN 1 – LAN 4	Green – data transmission on the port Orange – PoE and data transmission on the port Red – network loop on port
	FIB 1	Green – data transmission on the SFP port Blue – SFP RING loop detection
	FIB 2	Green – data transmission on the SFP port
	AC_IN	Yellow – mains voltage present
	LED 1 (power supply)	Green – output voltage
	LED 2	Red – battery charging
	LED 1 (coverter)	Red – output voltage
IP rating	IP66	
Housing	ABOX-ALUL / aluminium PA11 / grey / pre-drilled holes 10xM16, 1xM20	
Assembly	Wall mounting, can be mounted on a pole or mast with additional mounting adapters	
Operating temperature	-25 ... +50°C	
Dimensions	410 x 310 x 145 mm	
Weight	3,146 kg	

Find out more

IPUPS-3-30-ALUL on the WWW site

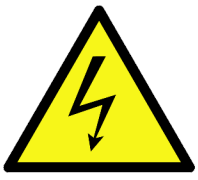
ATTE Technical Support Portal

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.

Before installation and during maintenance make sure that the mains voltage 230VAC is disconnected

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.



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