

## Buffered kit for 3 IP cameras + 2 SFP ports in outdoor enclosure

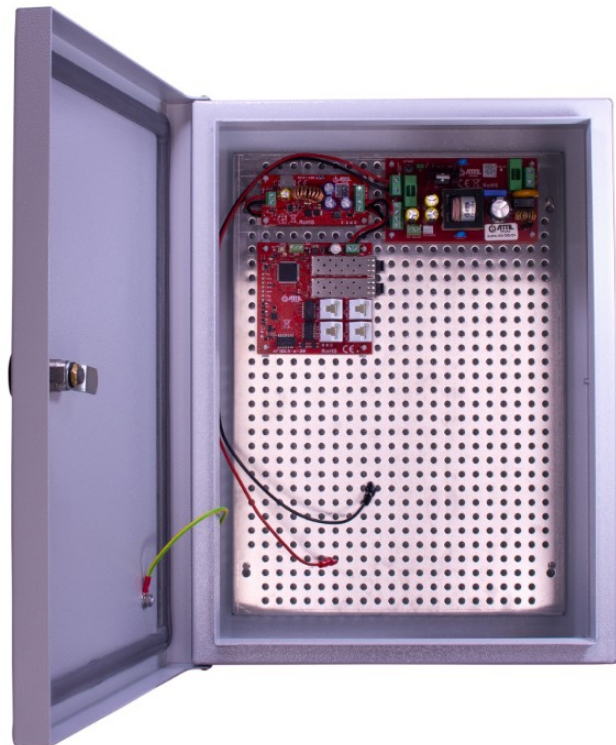
IPUPS-3-30-ALUL is a PoE kit, with buffered power supply, for up to 3 IP cameras (3x 802.3af/at PoE ports and 1x input port) featuring 2 SFP ports. The enclosure provides space for an 18 Ah battery.

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

IPUPS-3-30-ALUL is a ready-to-use distribution unit designed to power IP cameras in large-scale fiber-optic installations, with local battery backup.

The built-in PoE switch supports RING mode. By default, the device is set to "slave" mode. For the ring topology to function properly (prevent network loops) one module must be configured as "master" to manage data transmission through the SFP ports.

To change the operating mode of the xFIBER-6-30-OF (built-in PoE switch), 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.



### FEATURES:

- buffer power supply for 3 IP PoE 802.3af/at devices
- space for an 18 Ah battery
- two SFP ports
- RING mode support
- up to 100 W total output power
- high power supply efficiency (90% @100 W)
- technical output indicating a network loop on the RJ45 ports and the RING status
- lockable enclosure door
- IP66-rated enclosure
- cable entry via cable glands fitted to the enclosure: 10xM16 and 1xM20
- optional ADD-PMAALUXLM adapter for easy pole or lamppost mounting (sold separately)



# IPUPS-3-30-ALUL



## TECHNICAL SPECIFICATION:

|                                       |                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAN Ports                             | 2 x RJ45 ports 10/100/1000 Mbps<br>2 x RJ45 ports 10/100 Mbps<br>2 x SFP ports 100/1000 Mbps                                                                                                                                                                                                                                                           |
| Ports Functions                       | LAN 1:<br>LAN port<br><br>LAN 2 ... LAN 4:<br>PoE output: 802.3at (up to 30W), 802.3af (up to 15W)<br>PoE pinout: 1,2 (V-) 3,6 (V+) 4,5 (V+) 7,8 (V-)                                                                                                                                                                                                  |
| Output PoE voltage                    | 55V +/- 2%                                                                                                                                                                                                                                                                                                                                             |
| Efficiency                            | 90% @100W                                                                                                                                                                                                                                                                                                                                              |
| Maximum power                         | 100W                                                                                                                                                                                                                                                                                                                                                   |
| Input Voltage                         | 190 ... 260 VAC, 50 Hz                                                                                                                                                                                                                                                                                                                                 |
| Power supply protection               | Input:<br>3,15A slow-blow fuse<br>Surge protection<br><br>Output:<br>Overload protection at 12 A<br>Surge protection                                                                                                                                                                                                                                   |
| Ports Protection                      | LAN 1 ... LAN 4<br>Surge protection<br><br>LAN 2 ... LAN 4<br>Overload protection                                                                                                                                                                                                                                                                      |
| Battery circuit protection            | Battery cut-off for voltages below 10.8V 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                                                                                                                                                                                                                                                                                                                                        |
| Technical outputs<br>(open-collector) | <b>LOOP</b> – a network loop on the RJ45 ports<br><b>RING_F</b> – proper ring topology operation (indicated only by the device operating in "master" mode)<br><b>ACF</b> – indicates the presence of mains voltage (low state – no AC)<br><b>OUF</b> – indicates the presence of output voltage (low state – no output voltage)<br><b>GND</b> – ground |

|                           |                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| PWR                       | <b>White</b> – power ON<br><b>Red</b> – input voltage too low (Vin < 30V)<br><b>Red (blinking)</b> – input voltage below 44V                   |
| SET                       | <b>Green</b> – device in "slave" mode<br><b>Blue</b> – device in "master" mode                                                                 |
| LAN 1 – LAN 4             | <b>Green</b> – data transmission on the port<br><b>Orange</b> – PoE and data transmission on the port<br><b>Red</b> – network loop on the port |
| FIB 1                     | <b>Green</b> – data transmission on the SFP port<br><b>Blue</b> – SFP RING loop detection                                                      |
| FIB 2                     | <b>Green</b> – data transmission on the SFP port                                                                                               |
| LED_AC                    | <b>Yellow</b> – mains voltage present                                                                                                          |
| LED 2                     | <b>Red</b> – battery charging                                                                                                                  |
| LED 1 (power supply)      | <b>Green</b> – output voltage                                                                                                                  |
| LED 1 (converter)         | <b>Red</b> – output voltage                                                                                                                    |
| Enclosure                 | 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                                                              |
| Ingress Protection Rating | IP66                                                                                                                                           |
| Operating Temperature     | -25 ... +50°C                                                                                                                                  |
| Dimensions                | 410 x 310 x 145 mm                                                                                                                             |
| Weight                    | 3,146 kg                                                                                                                                       |

Basic application of the IPUPS-3-30-ALUL kit:

