

# POE series power supply unit

## PoE power supply 48V DC for up to 16 IP cameras

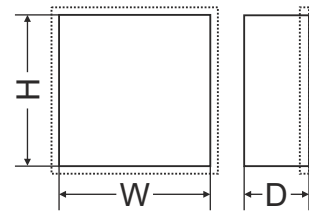


EN\*

CODE: **POE164864** v.1.0/II  
TYPE: **PoE 48V/16x0,4A** PoE power supply for up to 16 cameras.



**GREEN POWER CCTV  
PoE**



### PSU features:

- the 16x0,4A/48V DC power output for powering 16 cameras IP
- output voltage adjustment 41V÷ 56V DC
- Wide range of supply voltage: 90÷264V AC
- high efficiency: 90%
- 16 outputs protected with 0,5A fuses
- jumper selectable fuse type: fuse or polymer fuse
- Voltage control at the AUX1 ÷ AUX16 outputs
- designed for 10Mbit/s and 100Mbit/s network
- LED optical indication
- FPS technical output – indication of the output fuse activation – relay and OC type
- protections:
  - SCP short-circuit protection
  - OVP overvoltage protection
  - Surge protection
  - Antisabotage protection
  - OLP overload protection
- Mounting plate for mounting the network switch - Ethernet Switch / Hub
- warranty – 2 year from the production date

### DESCRIPTION

The PSU is designed for supply of up to 16 webcams requiring stabilized voltage of **48V DC**. The output voltage can be adjusted with a potentiometer between **41V÷56V DC**. There are 16 power supply outputs, independently protected by melting fuses or PTC polymer fuses. Failure (short circuit) in the output circuit will activate the melting fuse or PTC fuse and disconnect the circuit from DC power (+ U). Fuse failure is indicated by switching off the corresponding LEDs: L1 for AUX1, etc. In addition, the FPS output (hi-Z state) and LFPS LED are activated and the relay contacts change their position. The PSU is housed in a metal enclosure with signaling panel equipped with a microswitch indicating door opening (front cover). The power is carried over the spare pairs (4/5 & 7/8), which, according to the Ethernet network standard, are not used for data transmission (data transmission uses 1/2 and 3/6 data pairs).

**The PSU can not be used in Gigabit Ethernet networks, where all twisted pairs are involved in the transmission of data!**

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SPECIFICATIONS	
PSU type:	A (EPS - External Power Source)
Mains supply:	90÷264V AC
Current consumption:	2A@230VAC max.
PSU's power:	310W max.
Efficiency:	90%
Output voltage:	48V DC
The adjustment range of the output voltage:	41÷56V DC
Output current:	<b>16x0,4A</b>
Ripple voltage	240mV p-p max.
Short-circuit protection SCP	PoE MODULE 16 x F 0,5A or 16 x PTC 0,5A (jumper selectable) PSU MODULE 105% ÷ 135% of PSU power, electronic current limiting
Overload protection OLP	105% ÷ 135% of PSU power, electronic current limiting
Surge protection	16 x varistor
Overvoltage protection OVP:	58÷68V DC
Antisabotage protection: - TAMPER output indicating enclosure opening	- microswitch, NC contacts (enclosure closed), 0,5A@50V DC (max.)
Technical outputs: - FPS technical output indicating output fuse activation	- OC type, 50mA max. Normal operation: L state (0V), failure: H state (hi-Z), (automatic return once the normal operation is restored) - relay type: 1A@ 30VDC/50VAC
Optical indication of operation:	Yes –LED lights
Operating conditions:	2nd environmental class, -10 °C+40 °C
Enclosure:	DC01 steel plate, 1,0mm, color RAL 9003
Dimensions:	291 x 387 x 101+15 (WxHxD) [mm] (+/-2)
Net/gross weight:	4,90kg / 5,30kg
Closing:	Cylindrical screw x 2 (at the front) lock assembly possible)
Declarations, warranty	CE, 2 year from the production date
Notes:	The enclosure has a 15mm distance from the mounting surface so the cables can be led. PSU cooling: fan cooling. Switch mode power supply: Ø0,63-2,05(AWG 26-10) PoE module: Ø0,5-2,05 (AWG 24-12) Inputs : IN1÷IN16 : RJ45 8P8C, shielded AUX1÷AUX16 outputs: RJ45 8P8C, shielded TAMPER output: wires 35cm