EN*

CODE: **RSUPS98** v.1.0/II
TYPE: **9-port switch with buffer power supply for 8 IP cameras, RACK mounted.**

Features:

- Uninterruptible power supply of 8 IP cameras (48VDC)
- 9 10/100 Mb/s ports
- 8 PoE ports (data transfer and power supply)
- 15,4W for each PoE port, supports devices complaint with the IEEE802.3af standard
- Supports auto-learning and auto-aging of MAC addresses (1K size)
- wide range of mains supply AC: 176÷264V AC
- battery charging and maintenance control
- excessive discharging (UVP) protection
- battery output protection against short circuit and reverse connection
- battery charge current: 0,5A
- acoustic indication of failure
- LED optical indication: AC, DC, TEMP, LoB, ALARM
- the ALARM technical output of collective failure – relay type, activated by:
  - 230V AC power loss
  - low voltage of the PSU (<23V)
  - too high temperature of the PSU (>70°C)
  - the PSU failure
- protections:
  - SCP short-circuit protection
  - overvoltage protection
  - overload protection OLP
- forced cooling (fan)
- warranty – 2 year from the production date

DESCRIPTION

The RSUPS98 is a complete solution for power supply and battery backup of 8 IP cameras (48VDC power supply) in **RACK** 19" standard.

The main elements of this system include:
- 9 port PoE switch
- buffer power supply 27,6V unit which can accommodate two 12V batteries
- a converter (DC/DC48250) increasing the voltage to 48VDC (supply of the PoE switch)

In case of mains power loss, a battery back-up is activated immediately. Automatic detection of any devices powered in the PoE standard is enabled at the 1 – 8 ports of the switch. The UPLINK port is used to connect another network device. The LED lights at the front panel indicate the operating status of the device.

The switch is fitted with the ALARM technical output of collective failure. In the case of failure, a LED light is activated, which is accompanied by switching of relay contacts and acoustic indication.

The PoE technology ensures a network connection and reduces installation costs by eliminating the need to supply a separate power cable for each device. This method allows supplying other network devices, such as IP phone, wireless access point or router.

PARAMETERS OF THE SWITCH

Ports	9 10/100Mb/s ports (8 x PoE + 1 x UPLINK) with connection speed auto-negotiation and MDI/MDIX Auto Cross)
PoE power supply	IEEE 802.3af (1÷8 ports), 48VDC / 15,4W at each port *
Protocols, Standards	IEEE802.3, 802.3u, 802.3x CSMA/CD, TCP/IP
Forwarding rate	10BASE-T: 14880pps/port
	100BASE-TX: 148800pps/port
Bandwidth	1,6Gbps
Transmission method	Store-and-Forward
Optical indication of operation	Switch power supply; Link/Act; PoE Status

* The given value of 15,4W per port is the maximum value. The total power consumption should not exceed 96W when all PoE ports are being used.

ELECTRICAL PARAMETERS

Mains supply	176÷264V AC
Current up to	1,1A@230VAC max.
Supply power	110W
Output voltage at the PoE ports	48V DC – maintained regardless of the state of battery charge
The output current at the PoE ports	8 x 0,3A ΣI=2A (max.)
Short-circuit protection SCP and overload protection OLP	105% ÷ 150% of the PSU power, manual restart (failure requires the disconnection of the DC output)
PSU current consumption	0,2A
Battery charge current	0,5A max. (+/-5%)
Battery circuit protection SCP and reverse polarity connection	melting fuse
Excessive discharge protection UVP	U<19V (+/-5%) – disconnect of connection battery
Optical indication of operation	LED: AC, DC, TEMP, LoB, ALARM, LINK, PoE
Acoustic operation indication:	Piezoelectric indicator ~75dB/0,3m
The ALARM technical output of collective failure	Relay type: 1A@ 30VDC/50VAC
The F_{MAINS} fuse in the 230V power supply circuit	T 3,15A

MECHANICAL PARAMETERS

Enclosure dimensions	W=19", H=2U; 482 x 88 x 265 mm (WxHxD)
Fixation	four-point butt mounting to RACK profiles – the set include 4 M6 screws + cage nuts
Net / gross weight	6,36 / 6,88 kg
Enclosure	Steel plate RAL 9005, black
Connectors	**230V AC** input: the IEC C14 socket with a fuse, power cable 1,5m (included) Technical output **ALARM**: Φ0,5-2,1 (AWG 24-12) 0,5-1,5mm^2 Outputs of cameras **PoE**: sockets RJ45 8P8C Data output of the **UPLINK** recorder: RJ45 8P8C jack Battery output **BAT**: 6,3F-2,5
Notes	Forced cooling (fan).