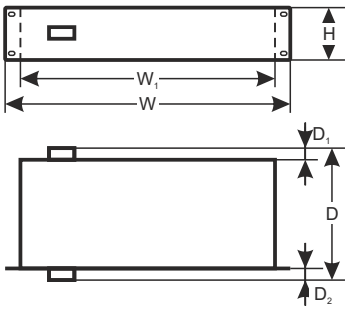
EN**

CODE: **RSFUPS116R** v.1.3/V

TYPE: **RSFUPS116R 16-port switch with buffer power supply for 16 IP cameras and recorder, RACK mounted**



CE

Features:

- Uninterruptible power supply of 16 IP cameras (54 V DC)
- Uninterruptible power supply of the recorder (12 V DC)
- 16 PoE ports 10/100 Mb/s, (1÷16 ports) (data and power supply)
- 2 ports 10/100/1000 Mb/s (G1/TP, G2/TP2 ports)
- 2 ports 10/100/1000 Mb/s SFP (G1/SFP, G2/SFP ports)
- battery charging and maintenance control
- excessive discharging (UVP) protection
- battery charge current: 0,5 A (batteries 4x7 Ah / 4x1 7 Ah)
- Approximate backup time: 4 h
- battery output protection against short circuit and reverse connection
- 30 W for each PoE port, supports devices complaint with the IEEE802.3af/at **(PoE+)** standard
- Supports auto-learning and auto-aging of MAC addresses (16K size)
- LED indication
- Metal enclosure RACK 19” 2U - color: black RAL 9005
- warranty – 2 year from the production date

DESCRIPTION

RSFUPS116R is a 16-ports PoE in RACK 19” enclosure, switch designed for uninterrupted supply IP cameras operating in IEEE 802.3af/at standard (54 V DC power supply) of recorder (12 V DC power supply).
In case of power decay, a battery back-up is activated immediately.

The approximate backup time is given assuming that all output ports are used (using typical devices and 17 Ah batteries). The electricity consumption for own needs and the energy efficiency of the power intake track were taken into account. The exact description of how to perform the calculations can be found at: "Approximate backup time - assumptions for calculations".

Automatic detection of any devices powered in the PoE/PoE+ standard is enabled at the 1 – 16 ports of the switch. The G1/TP, G2/TP ports is used for connection of another network device via RJ45 connector. The switch is fitted with SFP slots; the use of fiber optic module (GBIC) allows fiber optic transmission. The LEDs at the front panel indicate the operation status. The switch is housed in a metal enclosure RACK 19” (color: black RAL 9005).

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	16 x PoE (10/100 Mb/s) (RJ-45) 2 x UPLINK (10/100/1000 Mb/s) (RJ-45) 2 x UPLINK (10/100/1000 Mb/s) (SFP) with connection speed auto-negotiation and MDI/MDIX Auto Cross)
PoE power supply	IEEE 802.3af/at (1÷16 ports), 54 V DC / 30 W at each port *
Protocols, Standards	IEEE802.3, 802.3u, 802.3x CSMA/CD, TCP/IP
Bandwidth	14,8 Gbps
Transmission method	Store-and-Forward
Optical indication of operation	Switch power supply; Link/Act; PoE Status

* The given value of 30 W per port is the maximum value. The total power consumption should not exceed 192 W.

ELECTRICAL PARAMETERS

Mains supply	~230 V; 50 Hz
Current up to	1,5 A
Supply power	267 W
Output current at the PoE ports (RJ45)	16 x 0,6 A ΣI=4 A (max.)
Output voltage at the PoE ports (RJ45)	54 V DC
NVR output – recorder	12 V DC / 4 A (max.)
PSU current consumption	250 mA
Battery charge current (batteries 4x7 Ah / 4x17 Ah, connect batteries in series)	0,5 A max. /4x12 V (+/-5 %)
Approximate backup time	4 h
Battery circuit protection SCP and reverse polarity connection	melting fuse
Deep discharge battery protection UVP	U<38 V (± 5 %) – disconnection of the batteries

MECHANICAL PARAMETERS

Mounting dimensions	W=19”, H=2U, D=348
Dimensions	W=482, W_1=446, H=88, D=348, D_1=32, D_2=15 [+/- 2 mm]
Fixation	four-point butt mounting to RACK profiles – the set include 4 M6 screws + cage nuts
Gross/Net weight	6,5 / 7,0 kg
Enclosure	Steel plate, DC01 1,0mm color: black RAL 9005
Connectors	Power supply of the cameras: RJ45 socket Output of recorder: RJ45 socket or SFP The recorder power supply output: Φ0,5-2,1 (AWG 24-12) 0,5-1,5 mm^2, power cord 2 m, terminated with the DC 5,5/2,1 plug (included) Outputs: Φ 0,63-2,50 (AWG 22-10), battery output BAT: 6,3F-2,5
Notes	Forced cooling (fan).