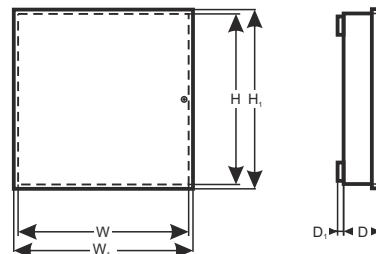
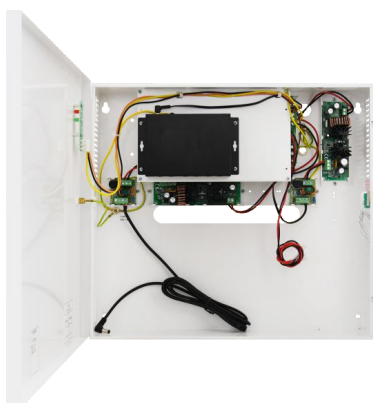


CODE: **S64-BR** v.1.0/IITYPE: **S64-BR 6-port switch with buffer power supply for 4 IP cameras and recorder.**

Features:

- Uninterruptible power supply of 4 IP cameras (52 V DC)
- uninterruptible power supply of the recorder (12 V DC)
- Switch 6 ports:
 - 4 PoE ports 10/100Mb/s (data transfer and power supply)
 - 2 port 10/100Mb/s (UpLink)
- 30 W for each PoE port, supports devices compliant with the IEEE802.3af/at (**PoE+**) standard
- Approximate backup time: 6h
- LED indication
- Metal enclosure – color white RAL 9003 which can accommodate two 17Ah/12V batteries
- Supports auto-learning and auto-aging of MAC addresses (1K size)
- warranty – 2 year from the production date

DESCRIPTION

The S64-BR is a complete solution for uninterruptible power supply of 4 IP cameras (52V DC power supply) and uninterruptible power supply of the DVR (12V DC power supply).

The main elements of this system include:

- 6 ports PoE switch
- buffer power supply 27,6 V unit which can accommodate 2 x 17 Ah/12V batteries
- a converter (DC/DC52115) increasing the voltage to 52 V DC (supply of the PoE switch)
- 12 V DC (DC/DC50SD) buck converter (DVR 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 17Ah 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 – 4 ports of the switch. The UpLink port is used for connection of another network device e.g. recorder. The LEDs at the front panel indicate the operation status.

The switch is housed in a metal enclosure (color RAL 9003) which can accommodate 2x17 Ah/12 V battery. The enclosure features a micro switch tamper indicating door opening (front panel). The S64-BR is fitted with two LEDs on the front panel (red LED – indicates the presence of 230 V supply voltage, green LED indicates the presence of DC voltage).

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	6 10/100 Mb/s ports (4 x PoE + 2 x UP LINK) with connection speed auto-negotiation and MDI/MDIX Auto Cross)
PoE power supply	IEEE 802.3af/at (1+4 ports), 52 V DC / 30 W at each port * Used pairs 1/2 (+), 3/6 (-)
Protocols, Standards	IEEE802.3, 802.3u, 802.3x CSMA/CD, TCP/IP
Bandwidth	1,6 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 48 W.

ELECTRICAL PARAMETERS

Mains supply	~200-240 V; 50 Hz
Current up to	1,4 A
Supply power	122 W
Output current at the PoE ports (RJ45)	4 x 0,6 A $\Sigma I=1$ A (max.)
Output voltage at the PoE ports (RJ45)	52 V DC
Output current (recorder)	5 A
Output voltage (recorder)	12 V DC
Ripple voltage at the output to the recorder	150mV
Short-circuit protection SCP and overload protection OLP	105% + 150% PSU power, manual restart (the fault requires disconnection of the DC output circuit)
PSU current consumption	150mA/27,6V
Battery charge current	0,5 A max. / 2x17 Ah (+/-5%)
Approximate backup time	6h
Battery circuit protection SCP and reverse polarity connection	melting fuse
Deep discharge battery protection UVP	U<19 V ($\pm 5\%$) – disconnect of connection battery
Sabotage protection: - TAMPER output indicating enclosure opening	- microswitch, NC contacts (enclosure closed), 0,5A@50V DC (max.)

MECHANICAL PARAMETERS

Dimensions	W=397, H=350, D+D ₁ =92+8 [+/- 2mm] W ₁ =402, H ₁ =355 [+/- 2mm]
The dimensions of the battery compartment	370 x 180 x 80mm (WxHxD) max
Gross/Net weight	4,8 / 5,1 kg
Enclosure	Steel plate, DC01 1,0mm color white RAL 9003
Closing	Cheese head screw x 2 (at the front), (lock assembly possible)
Connectors	Power supply of the cameras: RJ45 socket Power supply of the DVR: DC plug 2, 1/5,5 Outputs: Φ 0,63-2,50 (AWG 22-10) Battery output BAT: 6,3F-2,5 TAMPER output: wires
Notes	The enclosure does not touch the assembly surface so that cables can be led.