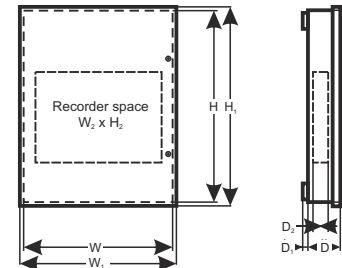
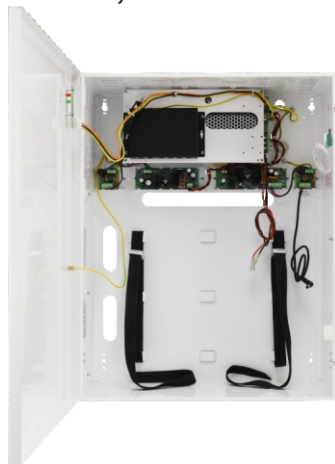


CODE: **S64-CRB** v.1.4/V  
TYPE: **S64-CRB 6-port switch with buffer power supply for 4 IP cameras  
and recorder, with recorder space.**



#### Features:

- Uninterruptible power supply of 4 IP cameras (52 V DC)
- uninterruptible power supply of the recorder (12 V DC)
- 6 10/100 Mb/s ports
- 4 PoE ports 10/100 Mb/s (data transfer and power supply)
- 2 ports 10/100Mb/s (UP LINK)
- **Long Range** mode (up to 250m)
- 30 W for each PoE port, supports devices compliant with the IEEE802.3af/at (**PoE+**) standard
- Supports auto-learning and auto-aging of MAC addresses (1K size)
- Approximate backup time: 6h
- Metal housing - color white RAL 9003, which can accommodate two 17 Ah/12 V batteries and offers the possibility of recorder installation
- **The enclosure construction is compliant with the requirements of the General Data Protection Regulation GDPR (the possibility of installing two locks with different codes)**
- Space for a recorder with the following max. dimensions 380x320x65 (WxHxD)
- Warranty – 2 year from the production date

#### DESCRIPTION

The S64-CRB is a complete solution for uninterruptible power supply of 4 IP cameras (52 V DC power supply) and uninterruptible power supply of the DVR (12 V DC power supply). **The enclosure construction is compliant with the requirements of the General Data Protection Regulation GDPR (the possibility of installing two locks with different codes).** In addition, the large size of the enclosure allows installing the recorder inside.

The main elements of this system include:

- 6 port PoE switch
- buffer power supply unit 27,6 V which can accommodate 2 x 17 Ah/12 V batteries
- a converter (DC/DC52115) increasing the voltage to 52 V DC (supply of the PoE switch)
- 12 V DC (DC/DC50SD) buck converter (NVR 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 – 4 ports of the switch. The UP LINK ports 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 two 2x17 Ah/12 V battery. The enclosure features a micro switch tamper indicating door opening (front panel). The S64-CRB is fitted with two LEDs on the front panel (red LED – indicates 230 V power supply of the PSU, 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

<b>Ports</b>	6 10/100 Mb/s ports (4 x PoE + 2 x UP LINK) with connection speed auto-negotiation and MDI/MDIX Auto Cross)
<b>PoE power supply</b>	IEEE 802.3af/at (1+4 ports), 52 V DC / 30 W at each port *
<b>Long Range mode</b>	Long Range, VLAN
<b>Protocols, Standards</b>	IEEE802.3, 802.3u, 802.3x CSMA/CD, TCP/IP
<b>Bandwidth</b>	1,6 Gbps
<b>Transmission method</b>	Store-and-Forward
<b>Optical indication of operation</b>	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

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

### MECHANICAL PARAMETERS

<b>Dimensions</b>	W=421, H=535, D+D <sub>1</sub> =193+14 [+/- 2mm] W <sub>1</sub> =426, H <sub>1</sub> =540 [+/- 2mm]
<b>The dimensions of the recorder compartment</b>	W <sub>2</sub> =380, H <sub>2</sub> =320, D <sub>2</sub> =65 [+/- 2mm]
<b>The dimensions of the battery compartment</b>	370x180x80 (WxHxD)
<b>Gross/Net weight</b>	10,1 / 10,9 kg
<b>Enclosure</b>	Steel plate, DC01 1,0mm color white RAL 9003
<b>Closing</b>	Cheese head screw x 2 (at the front) <b>The possibility of installing two locks with different codes.</b>
<b>Connectors</b>	Power supply of the cameras: RJ45 socket Power supply for recorder: DC2, 1/5,5 plug Input 230 V: $\Phi$ 0,63-2,50 (AWG 22-10), Battery output BAT: 6,3F-2,5 TAMPER output: wires
<b>Warranty</b>	2 year from the production date
<b>Notes</b>	The enclosure does not touch the assembly surface so that cables can be led.