1W-H0-KBRD

RFID reader | 13.56 MHz | Multi System

Product Card

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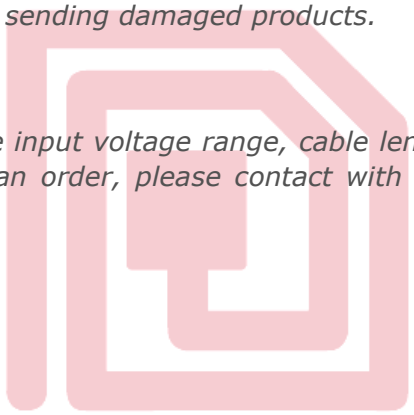
Before use…

- *Please do not open the reader and do not make any changes. This results in loss of warranty.*
- *In case of any questions please contact with us. We certainly answer to all questions and solve possible problems.*
- *Please carefully read the following information before connecting the reader.*
- *Please keep in mind, that there are factors as metal surfaces, which can affect on radio communication and correct reader operation. It is advisable to consult the mounting conditions before use with our staff.*
- *Please contact with us before sending damaged products.*
- *We offer possibility to change input voltage range, cable length and terminate it with a plug. Before making an order, please contact with us to determine the details.*



General information

The RFID reader **1W-H0-KBRD** reads identification data (UID) wireless of passive transponders (cards, tags, etc.) compatible with ISO/IEC14443-3-A (e.g. MIFARE cards), ISO/IEC14443-3-B, ISO 15659, Felica, iClass, ISO 18092.

The built-in two-color LED and Buzzer.

The device is connected by USB cable with USB B MINI male plug from the device side and USB A male plug from the PC side. The appropriate cable is provided at the customer's request after determining his preferences.

The device emulates the keyboard by sending the card code to the PC class device once, each time the RFID card is put on the reader.

The RFID reader connected to a PC, will be recognized as a keyboard device and automatically configured and the red LED will light up.

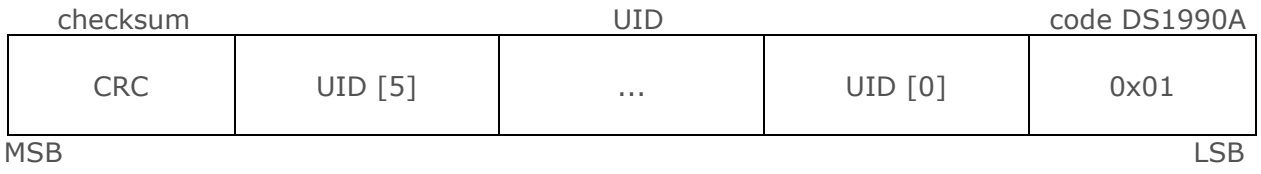
In order to write down the code from the card, start any text document, e.g. notebook, Word, Excel, and then place the card on top of the RFID reader. The card code will be written down as an ASCII string at the beginning of the text cursor. The LED will turn from red to green and you will hear a short beep.

In order to read the same RFID tag once again or to obtain a code from another RFID tag, remove the current card from the reader field and apply the same or a new card again.

The readout blockade works only when the card is located permanently in the RFID reader field.

DS1990A emulation

The reader sends the read UID data of the token via the USB interface emulating the keyboard device, sending the identifier in the DS1990A format by Maxim (Dallas). In the DS1990A chip from Maxim (Dallas), 6 bytes of UID are allocated for the identifier. Therefore, for tokens with a UID longer than 6 bytes, the 6 least significant bytes of the UID are sent. In the case of tokens with a UID shorter than 6 bytes, the missing (most significant) bytes of the identifier are filled with zeros.



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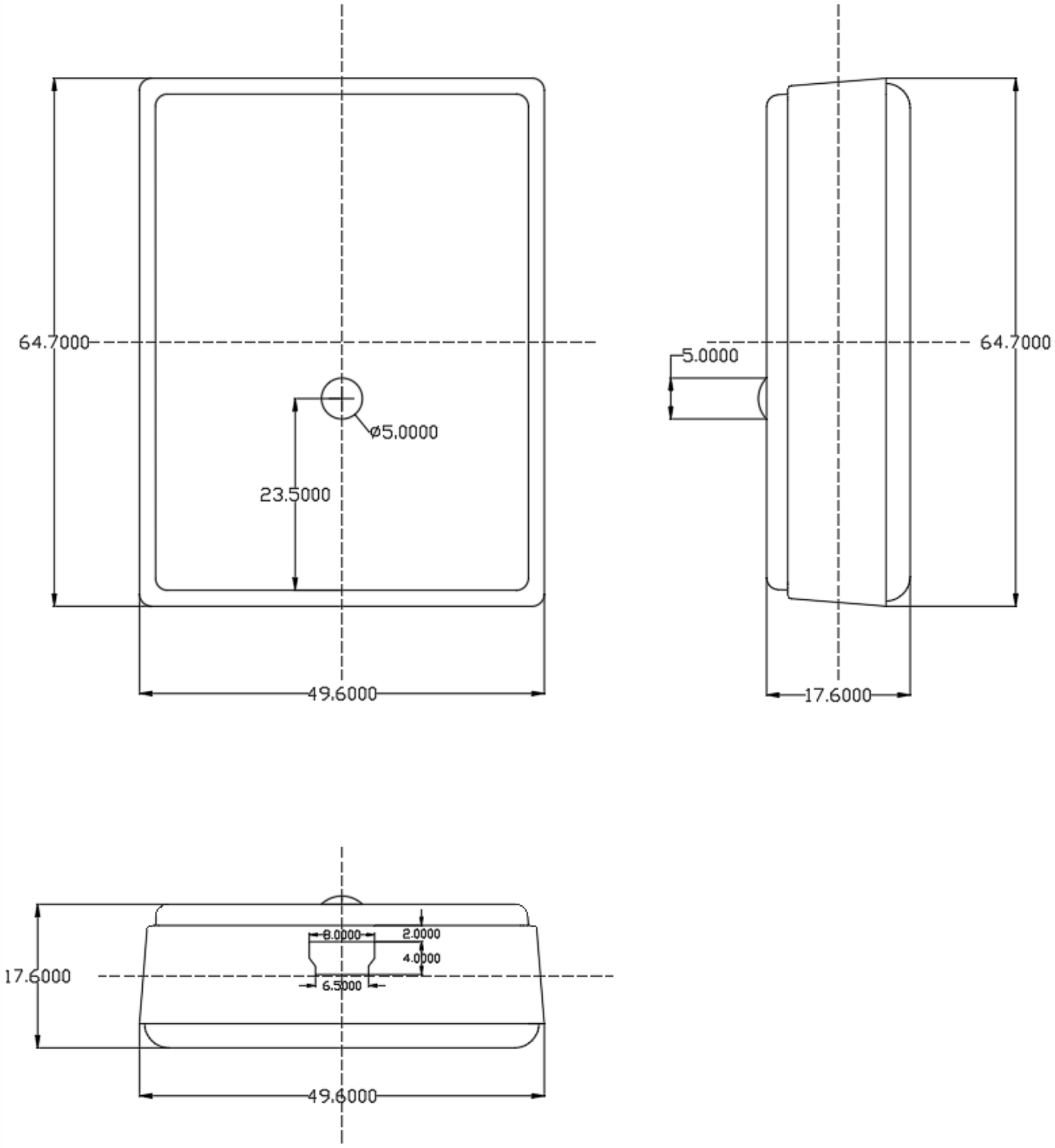
External dimensions



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Technical Data

Power supply	5V DC USB
Power supply efficiency	500 mA
Peak current	80 mA
Avarage current	30 mA
Frequency	13,56 MHz
Type of transponder	ISO/IEC14443-3-A, ISO/IEC14443-3-B, ISO 15659, Felica, iClass, ISO 18092
Surface of the antenna	8,6 cm^2
Reading range	3-7 cm depending on token
Mounting method	Tape, glue, etc.
Cable length	Max 2m cable USB B Mini male plug – USB A male plug with ferrite choke
Compatibilty	Microsoft WINDOWS XP, VISTA, 7, 8, 8.1, 10 , LINUX
Reader temperature	-20° C +55° C
ROHS	YES

The device cannot be powered from the DC mains. It must be connected to the power supply through a 500mA short-circuit protection.

The device marking is located on the bottom of the housing.

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