

Furcha MR2+ desktop reader

General

The MR2+ USB desktop reader is designed for reading **proximity card codes** and transferring their numbers to a computer.

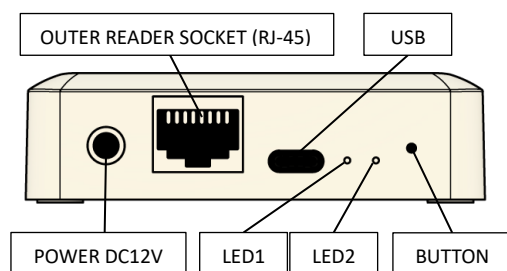
Features:

- Reads card codes at 13.56 MHz. Mifare and NFC
- Possibility to connect external reader of another format via WIEGAND or OSDP
- Automatic identification of the card standard without additional settings.
- Option to change the format of the card input.
- Virtual COM port
- Firmware update via "ConfiguratorMR2 software"

Operation

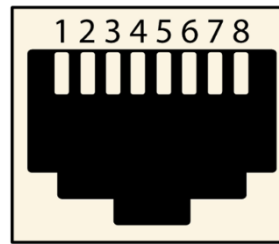
When the MR2 desktop reader is in working condition, the LED2 glows cyan, indicating that the device is powered on.

When a PROXIMITY card is presented to the reader, the card's identification number is read and transmitted to the computer via the USB connection. This process is indicated by a short beep and the LED2 blinking rapidly.



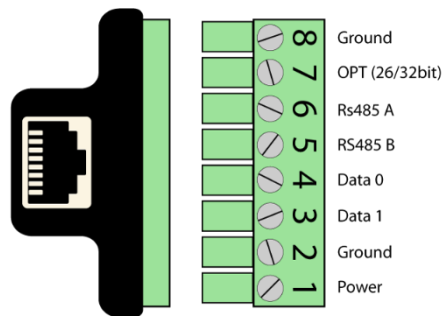
External reader connection

To connect the external reader through the RJ-45 port, its wires must be properly terminated with an RJ-45 connector before being plugged into the MR2 MF+.



MR2 MF+ Pinout

1. Power
2. Ground
3. Data 1
4. Data 0
5. RS485 B
6. RS485 A
7. OPT (26/32bit)
8. Ground



RJ45 to Reader Cable Adapter Pinout

Choosing card input mode

By pressing the button on the reader, you can select different **input modes**, which are indicated by different colors on the LED1:

Red: 26bit

Green: VCP

Blue: COMA

Yellow: TAB

Cyan: PLUS

Purple: ENTER

Orange: KEY_RIGHT

White: REVERSE

To select an input mode: press and hold the button for **1 second** until the LED1 blinks once. The mode is then set. Additional modes can be added by repeating the same process.

To **reset the reader**, press and hold the button for **5 seconds**.



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View current status

In order to get the current mode of the reader, you need to press the button within three seconds while having Notepad or any other text editor, like Microsoft Word, open. This way, the information about the reader, such as its current mode, and firmware version, will be printed into that text editor.