

MCRN2 Desktop Reader/Writer

USB 2.0, Serial or Wi-Fi



The **MCRN2 RFID Reader** is a versatile and reliable device, designed for applications requiring serial and USB interfaces. With a strong internal antenna and optional keyboard emulation via USB, it enables reliable card/tag reading and smooth operation in complex RFID setups.

Key features

- **Interfaces USB or RS232/RS485**
Provide reliable USB and serial interfaces
- **Transponders**
MIFARE® DESFire/Plus & Classic/Ultralight, NTAG, I-CODE
- **Powerful Antenna**
Reads cards/tags up to 80mm away
- **Bootloader**
Includes bootloader for easy firmware updates
- **Full NFC Support**
Offers full NFC compatibility for contactless communication
- **Secure Element**
Hardware secure element for cryptographic key management and authentication.

Ideal for

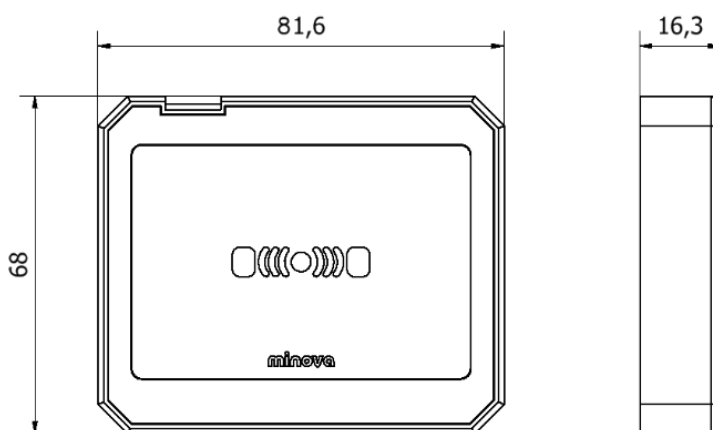
- Card Formatter
- Access Control Systems
- Retail and POS Systems
- Library Management
- Industrial Automation
- Time and Attendance Systems
- Vending Machines
- Parking Management



Technical Data

Operating Frequency	13.56 MHz	
Dimensions	81.6x68x16.3 mm	
MTBF	500.000h	
Interfaces	USB 2.0 (Optional) RS232/RS485 (Optional) Wi-Fi	
Supported Cards & Transponders	MIFARE®-DESFire/Plus MIFARE®-Classic/Ultralight NTAG I-Code	
Antenna	Integrated	
Temperature	-20°C to +60 °C	
Relative Air Humidity	5% up to 95% (non-condensing)	
Power Supply	USB bus powered	
Current Consumption	~100 mA	
Weight	61 g	
Supported Standards	ISO14443A/B ISO15693	
Certifications	USA Europe/UK	FCC 47 CFR Part 15 CE/RED
Compliances	EMC	EN 301489 EN 55022 EN 300330 RED 2014/53/EU
	Environment	RoHS Compliance REACH 1907/2006
Device Photos		

Dimensions



Ordering Codes

ARTICLE NR:	USB	RS485	RS232	Wi-Fi/BLE
MCRN2-U000	X			* opt.
MCRN2-D110		X		* opt.
MCRN2-D100			X	* opt.

FCC Regulatory Conformance

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated at a minimum distance of 20cm between the radiator and your body.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to **which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

FCC Part 15.19 Warning Statement- (Required for all Part 15 devices)

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

FCC Part 15.21 Warning Statement-

NOTE: THE **GRANTEE** IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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