

## 13.56 MHz Midrange Reader / Writer Desktop Reader SIR-2020



- Compact 13.56 MHz RFID midrange
- Reader/writer for desktop applications
- Suitable for on-metal applications
- Reading distance up to 25 cm (ISO-card size)
- No tag detection outside of the antenna area
- Optical feedback via 3 LEDs
- Integrated antenna
- CE

### Technical Data:

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Dimensions: (l x w x h )  | (235 x 190 x 29) mm                                       |
| Power supply:             | USB                                                       |
| Current consumption:      | typ. 300mA @5V                                            |
| Transmit frequency:       | 13.56 MHz                                                 |
| Antenna:                  | integrated                                                |
| Output Power:             | typ. 800mW                                                |
| Transponders:             | ISO 15693                                                 |
| Max. Transponder in Field | 20                                                        |
| Interface:                | USB 2.0                                                   |
| Housing:                  | Polycarbonate + PETG material with metal baseplate / IP20 |
| Weight:                   | 0.6 kg                                                    |
| Operating temperature:    | 0 °C to 50 °C                                             |

### Order Information:

SIR-2020 (OEM without package)

Order-No.: 220.2024

## Comparison SIR-2025 / SIR-2510 / SIR-2020

|                                                | SIR-2025                            | SIR-2510                            | SIR-2020    |
|------------------------------------------------|-------------------------------------|-------------------------------------|-------------|
| Power Supply                                   | USB or 6V DC                        | 12V -24V DC                         | USB         |
| Supported Tag Types                            | ISO15693<br>ICODE1<br>ISO18003Mode3 | ISO15693<br>ICODE1<br>ISO18003Mode3 | ISO15693    |
| Reading Speed ISO15693 (1 Tag in field)        | 3 Tags/sec                          | 11 Tags/sec                         | 11 Tags/sec |
| Reading Speed ISO15693 (10 Tags in field)      | 10 Tags/sec                         | 52 Tags/sec                         | 50 Tags/sec |
| Reading Speed ISO18003Mode3 (1 Tag in field)   | ---                                 | 18 Tags/sec                         | ---         |
| Reading Speed ISO18003Mode3 (10 Tags in field) | ---                                 | 69 Tags/sec                         | ---         |
| Reading Speed ISO18003Mode3 (50 Tags in field) |                                     | 99 Tags/sec                         | ---         |
| Reading range ISO15693 Card (86mmx55m)         | 240mm                               | 330mm                               | 250mm       |
| Reading range 16mm Laundry Tag                 | 50mm                                | 130mm                               | 80mm        |
| Reading range 7 mm Laundry Tag                 | ---                                 | 40mm                                | ---         |