# RD.ACR1281U-C8

## USB Contactless Smart Card Reader (Mifare)

■ The ACR1281-C8 is the new version of ACS's ACR120 Contactless Smart Card Reader. It is a compact and cost-effective device developed based on the 12.56 MHz contactless smart card (RFID) technology, with proximity operating distance up to 5 cm, depending on the type of contactless tag in use (support Mifare and ISO 14443 Type A and type B cards).

■ The versatile reader is available in both USB and Serial Interface version, which can easily be integrated into PC environment as well as others systems. It is ideal for board range of applications, including public transport terminals, physical and logical access controls, and even vending machines.

## Features

- ■ USB PnP
- ■ Read and write functionality
- ■ Smart Card Reader :
- ■ Built-in antenna for contactless tag access, with card reading distance of up to 50mm
- ■ Support for ISO 14443 Type A and B cards, Mifare
- ■ Built-in anti-collision feature (only one tag is accessed at any time)
- ■ Selective card poling capability (especially useful when multiple cards are presented)

- ■ Built-in Peripherals :
- ■ LED
- ■ Buzzer
- ■ Firmware Upgradability
- ■ Compliant with the following standard :
- ■ CE
- ■ FCC
- ■ RoHS

## Technical Specification

| Serial Interface | Description |
|---|---|
| Type | RS232 (Standard) |
| Operation Baud Rate | 9,600 – 115,200 bps |
| Power Source | From USB |
| Supply Voltage | Regulated 5V DC |
| Supply Current | 200 mA |
| **Universal Serial Bus Interface** | |
| Power Source | From USB |
| Speed | 12Mbps (High Speed) |
| Supply Voltage | Regulated 5 V DC |

# RD.ACR128IU-C8
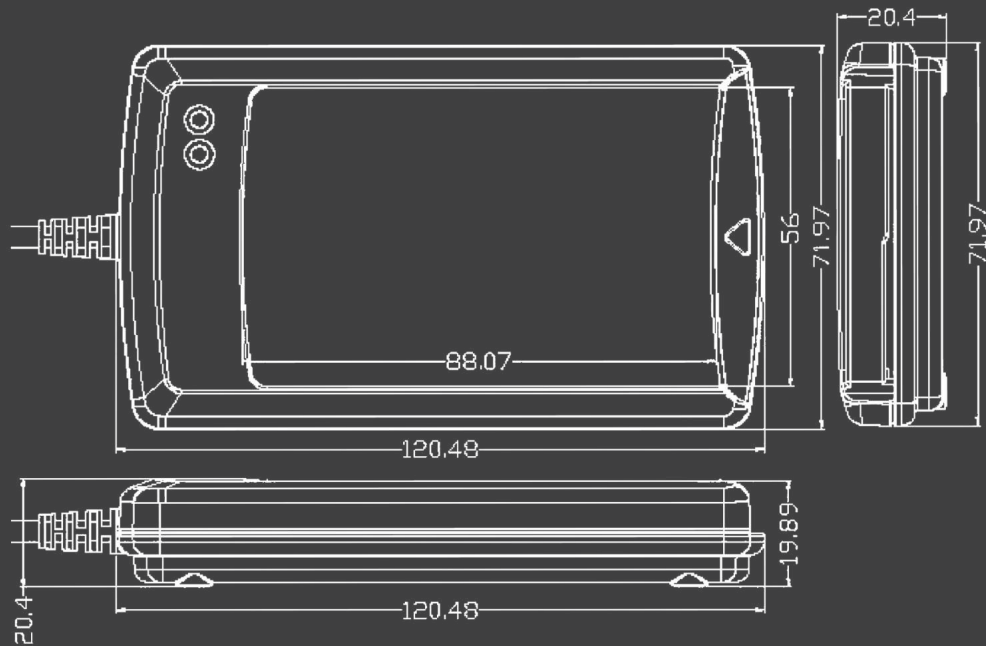
USB Contactless Smart Card Reader
(Mifare)

## Technical Specification

| | |
|---|---|
| Supply Current | 200 mA |
| **Contactless Smart Card Interface** | |
| Standard | ISO 1442 A and B |
| Protocol | Mifare® Classic protocol, Mifare®DESFire protocol, Mifare® mini protocol |
| Smart Card Read/ Write Speed | 106 kbps |
| **Physical Specification** | |
| Dimension | 120.5mm (L) x 72mm (W) x 20.4mm(H) |
| Weight | 150g |
| **Operating Condition** | |
| Temperature | 0 – 50 °C |
| Humidity | 10% - 90% |
| **Certification / Compliance** | CE, FCC, RoHS |
| **Device Driver Operating System Support** | Linux, Windows Server 2012, Windows Server 2016, Windows Server 2019, Windows Server 2022, Windows 7, Windows 10, Windows 11, |

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## Dimension



## Ordering Information

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