

CR100RW

USB Dual-Frequency Card Reader & Writer



RFID



USB



Overview

CR100RW is a high-performance contactless RFID reader/writer designed for access control and time & attendance systems. Combining 125 kHz proximity card and 13.56 MHz smart card read and write capability, data encryption, and batch card issuance, the CR100RW delivers all essential functions within a single device. Equipped with a powerful SDK, it supports running applications directly on the reader and enables on-site firmware upgrades, ensuring seamless integration and simplified maintenance.

Features

- Dual-frequency (125 kHz & 13.56 MHz), supporting multiple card types;
- Supports encryption for IC, DESFire, and CPU cards ;
- Built-in SAM slot (Secure Access Module) ;
- Supports customizable card reading rules ;
- Powerful SDK for developing applications running directly on the reader.

Specifications

General	
Model	CR100RW
Operating Frequency	13.56 MHz +125 kHz (Dual-Frequency)
Supported Card Types	ID card, IC card, DESFire card, CPU card, FeliCa, ISO/ IEC 15693 tag, NFC Tag, CEPAS card and NTAG
Reading Time	≤500 ms (typical)
Reading Distance	0~10mm(depending on environment and transponder)
Communication Interface	USB 2.0 (Type-C)
Audio Indicator	Internal buzzer

LED Indicators	Red (card reading failed) Green (card reading successful) Blue (Breathing blue light, standby)
Working Voltage	5V
Operating Temperature	-20°C - 60°C
Operating Humidity	10%-90% RH (non-condensing)
Dimensions	112 mm × 78 mm × 21.9 mm
Certification	CE, FCC, Equivalent to RoHS

RFID Card Module Supporting List

Working Frequency	ISO	Card Type	CR100RW
13.56MHz	ISO14443A	DESFire	√2
		IC	√2
		CPU	√2
	ISO14443B	CEPAS	√3
		Chinese ID Card	√1
	JIS X6319-4	Sony FeliCa	√1
ISO15693	15693 Card (NFC Tag)	√1	
125kHz		ID	√1

*√1 only UID

*√2 UID Only, read/write on request

*√3 UID + PAC (CSN & Facility Code), r/w on request

*The final interpretation of this data sheet belongs to ZKTeco

Dimensions (mm)

