

C200 Wireless Contactless Reader



1. RFID

- This product adopts wireless reading method, supports electronic labels in FDX-B, EMID (ISO11784/85) and other formats.
- Supports storage function, with a storage space of 2M, users can upload it to the computer in real time through a USB data cable.
- Supports Bluetooth, can transmit data through connection with mobile phones and other devices (Bluetooth HID analog keyboard, Bluetooth SPP, and Bluetooth BLE serial communication are available for selection).

Carrier Frequenc:	134.2、125Khz
Label Format:	FDX-B、EMID(ISO11784/85)
Reading Distance:	12*12mm chip: > 8cm Diameter: 30mm Ear Tag: > 20cm EMID Card: >5cm
Standard:	ISO11784/85
Reading Time :	< 100ms
2. Bluetooth Wireless	
Bluetooth Wireless:	Bluetooth 4.2
Bluetooth Range:	Up to 30 meters, depending on environment, range limitations usually due to host device (phone, tablet, etc.)
Bluetooth Mode:	Bluetooth HID、Bluetooth SPP、Bluetooth BLE
3. User Environment	
Operating Temperature:	-20°-50°C(-4°-122°F)(Power on) 0°-38°C(32-100°F)(Battery powered)
Storage Temperature:	-40°-70°C(-40°-158°F)
Relative Humidity:	95% at 60°C (140°F) (non-condensing)

4.Power Supply/Battery

Charging Time:	4-6 Hours
Battery Capacity:	1200mAh
Battery Type:	Lithium ion polymer
Battery Voltage:	3.7V
5.Physical Properties	
Size:	L*W*H (mm): 124*25*41mm
Weight/Quality:	
Charging/Data Interface:	Type-C

6.Reading Operation

The default is trigger mode. Press the trigger, the green light will light up and start to search for the card. The green light will go out if the card reading is successful or timeout (about 3s).

7.Data Reception

Supports USB keyboard and Bluetooth HID/SPP/BLE transmission mode.



Transmission	Conditions	Status
Mode		Blue LED is off. Red light when charging, off when fully charged
USB keyboard	Connect USB cable	Not connected: Blue LED flash, On for 0.64s/cycle 2.5s Connected: Blue LED always on
BT HID	USB not connected, default mode	Not connected: Blue LED flash, On for 0.16s/cycle 2.5s Connected: Blue LED always on
BT SPP+BLE	USB not connected	
Offline Mode	Neither USB nor Bluetooth is connected, the scanner reads the RFID card, and the data is stored in the scanner's internal memory. When the USB/BT connection is successful, press and hold the scan button for 5 seconds, the stored data will be uploaded, and the data will be cleared automatically after the upload is completed.	

8. Status Indication

Charging Instructions:

Conditions	Status
Connect USB, switch to OFF	No LED indication, maximum current charging
Connect USB, switch to ON	The scanner is not sleeping; Charging: red light always on Charging completed: red light off

LED, Buzzer, Vibration Behavior:

	Status	Blue BT LED	Three Color Ring Light			Buzzer	Vibration
			Red	Green	Blue		
Long State	Bluetooth HID mode unconnected	0.64s on, 25% duty					The vibration is synchronized with the buzzer and can be turned on and off independently. It is turned off by default
	Bluetooth SPP/BLE mode unconnected	0.16s on, 6% duty					
	Bluetooth pairing mode	0.16s on, 50% duty, in 30s					
	Bluetooth connected	ON					
	RFID card searching				ON		
	Charging		ON				
	Charging completed		OFF				
	Low Power 20%		0.3s on, 25% duty				
Low Power 10%		0.16s on, 12% duty					
Instant Reminder	Power on/setting tone/Bluetooth connection successful/USB plug and unplug to switch wired and wireless transmission mode to upload and store data completed				On for 0.3s	0.3s long tone, 3 tones	
	Code reading uploaded successfully				On for 0.1s	0.1s short tone	
	Uploaded successfully when low battery /Bluetooth disconnected/One code to turn off the reminder		2 flashes			0.1s x 2 beeps	
	Store scan data/shut down				On for 0.16s	0.16s, 2 tones	
Alarm Sound	Failed to upload data/full data prompt		3 flashes			0.1s x 3 beeps	
	Low battery power on failed		5 flashes			5 beeps	

9. Setting Operation

Supports three ways to modify the scanner settings: manual button modification, Bluetooth commands, and Windows gadgets.

9.1 Trigger Operation

This operation mode only supports a limited number of important settings.

Setting	Conditions	Operation	Action
Switch to bluetooth mode	USB not connected, power off	Press and hold the Trigger for 8s, then release the button after hearing the setting tone	Switch BT HID and SPP+BLE, BT LED flashing changes according to BT mode
Bluetooth Re-pairing	Bluetooth HID mode, power on state	Press and hold the Trigger for 10s	Bluetooth is re-paired and the BT LED starts flashing quickly.
Restore Factory	USB not connected, power off state	Press and hold the Trigger button for 15s and then release the button after hearing the setting tone	Reset
Enter Firmware Upgrade Mode	Connect USB, power off	Press and hold the Trigger button for 10s	The BT LED flashes quickly and then stays on, entering program upgrade mode

9.2 Bluetooth Command Operation

This operation method uses Bluetooth SPP or BLE transmission method to set common parameters according to the instruction format.

9.3 Windows Gadget Operations

This operation method uses USB wired mode and supports the settings listed in the interface, which basically includes commonly used settings.