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J20C USB IC Card Reader

The Jannu J20C is a read-only 13.56 MHz contactless smart card reader for ISO 14443A cards. It connects through USB, is plug-and-play, requires no external power supply or separate driver, and provides stable card identification for access, membership, ordering, and data-collection systems.

Main Features

*** USB Plug and Play – Powered by the host computer; no external power adapter or driver installation is required.**

*** ISO 14443A Support – Reads MIFARE S50, S70, and compatible cards at 13.56 MHz.**

*** Dual-Color LED and Buzzer – Red power indicator, green status indicator, and an integrated buzzer (functions can be controlled).**

*** Fast, Accurate Reading – Card reading in 0.2 s, a read time of less than 100 ms, and a reading distance of 0 to 80 mm.**

*** Flexible Output – Default 10-digit decimal output (4 bytes), with customized formats available.**

*** Direct Text Output – The card number is sent to the cursor in compatible text-entry software such as Notepad, Word, or Excel.**

*** Broad OS Compatibility – Windows XP / Vista / 7 / 10, Windows CE, Linux, and Android.**



J20C USB IC Card Reader

1. Specification

Type	Details	Descriptions
General	Model	J20C
	Product Type	USB contactless IC card reader, read only
	Dimensions	104 × 68 × 10 mm
	Weight	Approximately 140 g
RF Performance	Operating Frequency	13.56 MHz
	Supported Protocol	ISO 14443A
	Supported Cards	MIFARE S50, S70, and compatible cards
	Reading Distance	0 to 80 mm (may vary with the card, antenna, installation, and nearby metal)
	Card Reading Speed	0.2 s
	Read Time	Less than 100 ms
	Repeat-Read Interval	0.5 s
Electrical	Operating Voltage	5 V DC
	Operating Current	100 mA
Indicators	LED	Dual-color: red power indicator and green status indicator
	Audible	Integrated buzzer; LED and buzzer functions can be controlled
Interface & Software	Interface	USB
	Output Format	Default 10-digit decimal output (4 bytes); customized formats available
	Output Method	Card number is sent to the active cursor in compatible text-entry software
	Operating Systems	Windows XP / Vista / 7 / 10, Windows CE, Linux, and Android
Environment	Operating Temperature	−20 °C to 70 °C
Applications	Typical Uses	Internet cafes, membership management, KTV and VOD systems; fast-food ordering and locker access control; shopping malls, offices, and bathhouse locker systems; anti-counterfeiting, production control, and data collection

2. Installation & Notes

Installation

1. Connect the reader: Connect the data cable between a computer USB port and the reader. A beep indicates that self-test and initialization have started.
2. Wait for standby mode: When the indicator turns red, the reader is ready to scan a card.
3. Test card output: Open a text-entry application such as Notepad, Microsoft Word, or Microsoft Excel. Place the card near the reader; the card number should appear at the cursor position.

After the reader enters standby mode, open Device Manager. If the reader appears under Human Interface Devices, the connection has been established successfully.

Operating Precautions

- Do not connect the data cable directly to a standalone USB charging adapter. The reader requires a host device for card data output.
- Reading distance depends on the protocol, antenna design, surrounding environment, nearby metal objects, and the card itself.
- Avoid reading at the maximum edge of the detection range, which may be unstable. Readers installed too close together may interfere with one another.
- Present the face of the card naturally toward the reader. Quickly swiping a card past the side of the reader may result in a failed read.
- Avoid operating the mouse while a card number is being transmitted, as this may cause the data to be entered incorrectly.
- Keep the communication cable between the reader and the computer shorter than 15 m.

Basic Troubleshooting

No response when a card is presented: Confirm that the cable is connected correctly, the card type is supported, the card is not damaged, and no other RFID card is within the reading range.

Incorrect or incomplete data output: Do not operate the mouse during transmission. Move the reader away from strong electromagnetic interference, shorten an excessively long cable, and avoid reading at the edge of the detection range.

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