

C300 Wireless Contactless Reader



1. RFID Function

- **Read:** High-speed RFID reader for HF tags, labels, and smart devices.
- **Write:** Supports tag writing.
- **Reader Mode Template:** Supports popular tag types in Reader and HID modes, customizable via applications over SPP/BLE.

2. Read/Write

- **NFC Tag Support:**
 - ISO15693: Vicinity Card
 - ISO/IEC 14443A and B: Mifare, Sony FeliCA
 - Compliant with EPC GEN 2 HF and ISO 18000-3 mode 3
 - ISO 18000-3 mode 3: EPC GEN 2 HF
 - NFC: ISO/IEC 18092
- **Write Mode:**
 - Supports write mode via BLE using PCSC protocol. Compatibility depends on the card type, content, and authentication level.
- **Performance:**
 - **Carrier Frequency:** 13.56 MHz (RFID HF, NFC)
 - **Read/Write Speed:** 26 kbps (ISO 15693), 106 kbps (ISO 14443), 212/424 kbps (ISO18092)
 - **Antenna:** Integrated, 25mm x 14mm
- **High-Frequency RFID Tag Support:**
 - Supports a range of tags including proprietary ones such as ICode SLI, PicoTag (without anti-collision), and all ISO/IEC 14443 A and B compatible tags, including Mifare and Sony FeliCA.
 - NFC tags: NFCIP-1, ISO/IEC 18092, with both reading and writing capabilities.
- **Max RFID Reading Range:** 0.4" - 2" (10 - 30 mm)

3. Bluetooth Wireless Connection

- **Bluetooth Version:** Bluetooth 4.2
- **Range:** Up to 30 meters, depending on environmental factors and host device limitations (phone, tablet, or laptop).

4. Operating Environment

- **Operating Temperature:** -20°C to 50°C (powered) / 0°C to 38°C (battery powered)
- **Storage Temperature:** -40°C to 70°C
- **Relative Humidity:** 95% at 60°C (non-condensing)

5. Power/Battery

- **Charging Time:** 4-6 hours
- **Battery Capacity:** 1200mAh
- **Battery Type:** Lithium-ion polymer
- **Battery Voltage:** 3.7V

6. Physical Characteristics

- **Dimensions:** 124mm x 25mm x 41mm
- **LEDs:** Provides visual feedback during normal operation and simplifies setup and status checks.
- **Buttons:** Includes a power button for turning on/off and initiating read/write.
- **Charging/Data Interface:** Type-C