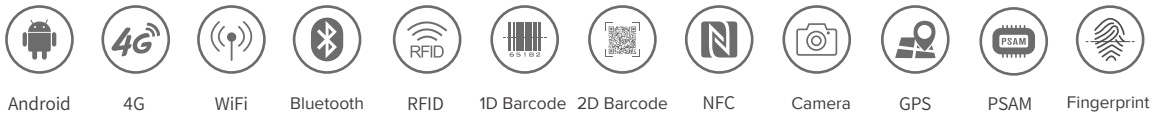




## Mobile Computer RC5



This is an upgraded all-in-one high-performance UHF RFID Reader. It has Integrated a self-developed Impinj E710 / R2000 based UHF module which offers industry-leading UHF performance. It adopts integrated design, provides stabler UHF performance, and delivers higher durability. The superior system configuration of the mobile computer features Android 11 platform, Qualcomm octa-core processor, optional mass internal memory and a large capacity removable battery. It also supports 2D scanning, NFC, fingerprint recognition and other functions, which enables it to be widely used in scenarios in banking, public security , warehousing, retail, logistics and other industries.



# Specification

## Performance

<b>CPU</b>	Cortex-A53 Octa-core, 2.3GHz
<b>RAM+ROM</b>	3GB + 32GB / 4GB +64GB (Optional) / 6GB + 128GB (Optional)
<b>Expansion</b>	Supports up to 128GB Micro SD card
<b>Operating System</b>	Android 11

## Communication

<b>WLAN</b>	802.11 a / b / g / n / ac, 2.4G / 5G dual-band
<b>WWAN</b>	2G: GSM (B2 / B3 / B5 / B8)
	3G: WCDMA (B1 / B2 / B4 / B5 / B8) CDMA2000 ECDO: BCO
	4G: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B17 / B20 / B28A / B28B / B38 / B39 / B40 / B41
<b>Bluetooth</b>	5.0
<b>Vo-LTE</b>	Support
<b>GNSS</b>	GPS / AGPS, GLONASS, BeiDou, Galileo

## Physical Characteristics

<b>Dimensions</b>	177.0 x 80.2 x 14.8mm / 6.97 x 3.15 x 0.58in
<b>Weight</b>	598g / 21.09oz. (device with battery)
<b>Display</b>	5-inch (Fingerprint), 1280 x 720 / 6-inch, 2400 x 1080
<b>Touch Panel</b>	Multi-touch panel, gloves and wet hands supported;
<b>Battery</b>	6700mAh removable pistol battery
	Built in 100mAh backup battery, supporting battery hot swap
<b>Card slot</b>	2 slots for PSAM card; 1 slot for Nano SIM card, 1 slot for Nano SIM or TF card
<b>Interfaces</b>	USB 2.0 Type-C, OTG, Type-C headphones supported
<b>Audio</b>	2 microphones, 1 for noise cancellation; 1 speakers; 1 receiver
<b>Notification</b>	Sound, LED indicator, vibrator
<b>Keypad</b>	1 power key, 2 scan keys, 1 user-defined key, 2 volume keys (+/-)
<b>Sensor</b>	Gravity sensor, proximity sensor, light sensor, geomagnetic sensor (optional), gyroscope (optional)

## Developing Environment

<b>SDK</b>	Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

## User Environment

<b>Operating Temp.</b>	-20 °C to 50 °C / 4 °F to 122 °F
<b>Storage Temp.</b>	-40 °C to 70 °C / -40 °F to 158 °F
<b>Humidity</b>	5%RH to 95%RH (non condensing)
<b>Drop Specification</b>	Multiple 1.5m / 5.9ft. drops (at least 28 times) to the concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5m / 1.64 ft. falls at room temperature
<b>Sealing</b>	IP65 per IEC sealing specifications
<b>ESD</b>	±15KV air discharge, ±8KV conductive discharge

## Data Collection

### Camera

<b>Front camera</b>	5MP
<b>Rear camera</b>	Rear 13MP Autofocus with flash

### UHF

<b>Protocol</b>	EPCglobal Gen 2 (ISO18000-6C)
<b>Frequency</b>	865-868MHz / 920-925MHz / 902-928MHz
<b>Engine</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
<b>Output power</b>	1W (30dBm, +5dBm to +30dBm adjustable) 2W Optional (33dBm, for Latin America, etc.)
<b>Antenna</b>	Circular polarization; 5dBi / 4dBi (NFC supported)
<b>Fastest Read Rate</b>	950+ tags / sec (Circular Polarized)

\* Ranges and rates depend on tags and environment

### Fingerprint (Optional)

<b>Fingerprint</b>	SM-821F / FPR-220 / SM-821/FPR-210K3-MCT / JZT-998APB-V32 / WEL-401AFE-V30 / WEL-401AFB-V30
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### NFC (Optional)

<b>Frequency</b>	13.56MHz
<b>Protocol</b>	ISO14443A / B, ISO15693, NFC-IP1, NFC-IP2 etc.
<b>Chips</b>	M1 card (S50, S70), CPU card, NFC tags etc.
<b>Range</b>	2-4cm

### Barcode Scanning (Optional)

<b>2D Scanner</b>	Zebra: SE4710; Honeywell: N6603; CM600; CB300
<b>1D Symbolologies</b>	UPC / EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS etc.
<b>2D Symbolologies</b>	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX) etc.

## Accessories

USB Cable, Adapter, Charging Cradle for device (optional), Charging Cradle for Pistol Battery (optional), etc.

\* Please check details in accessories guide