



C80R

UHF RFID Reader

Industry-leading RFID performance

Professional scanner with high speed and accuracy

- To make work efficient in real-time in reading 1D/2D even the twisted, stained or old barcode

10600mAh large capacity battery

- Plentiful power provides worry-free work
Replaceable battery, easy to use

Comfortable grab feel and not easily getting tired

- Ergonomic grip, anti-slip and anti-fatigue design for long time use, not easy to get tired

Powerful and easy long-distance batch reading

- Mainstream engine supports RFID tag batch reading up to 15-30 meters

Protection level

- IP67 sealing level
• 1.5m drop resistance, meets the IEC seal specifications

Features

 5.7" HD+ screen	 Octa-core 2.0GHz	 10600mAh Battery	 1D/2D
 Android 13	 15m-30m UHF reading distance	 IP67	 Super protection in bad weather

C80R Specifications

Basic Parameters

Size	169.9×76.8 X 26mm (L X W X H)
Weight	630+/-50g(with Battery)
Display	5.72inch IPS screen, resolution: (1440*720)
Touch screen	Capacitive touch, support wet hand and glove operation
Backlit	LED Backlit
Battery	Removable terminal battery: 6200mAh, 3.8V Removable handgrip battery: 6000mAh, 3.8V Working time: more than 8 hours, Standby time: 300 hours
Card slot	1 Nano SIM, 1 TF/Nano SIM 2 PSAM card slots, 1 Micro SD card slot (128GB Max)
Communication Interface	Type-c, Support OTG
Network connections	4G/3G/2G, Wi-Fi, GPRS
Notification	Tone, LED Indicator, Vibration
Keypad	On-screen keypad+ 3 virtual buttons: Back, Home, Menu
Audio	Microphone, speaker, receiver
Button	Power key, Two scan keys, Volume +/- key, custom key
Power adapter	Input: 100-240V, 50/60HZ 300Ma, Output: 5V, 2A

Performance Parameter

CPU	Octa-core 2.0GHz
OS	Android 13
Memory	4GB RAM/64GB ROM

User environment

Operating temperature	-20°C to 55°C
Storage temperature	-40°C to 70 °C
Humidity	5% to 95% (Non-condensation)
Drop	Withstand multiple drops from 4.9 ft / 1.5m to concrete floor in operating temperature range
Roll	Withstand 200 times 1.6 ft/0.5 m rolling impact, meets or exceeds IEC rolling specifications
Vibration	Random (10 Hz-30KHz), 60 minutes per axis, 3 axes
ESD	+/- 10kv air discharge, +/- 6kv contact discharge
Sealing	Host IP67

Wireless Communication

WWAN	Asia + Europe band: GSM: Band 2/3/5/8 WCDMA: Band 1/2/5/8 TD-SCDMA: Band 34/39 CDMA: Band BC0 TDD-LTE: Band 34/38/39/40/41 FDD-LTE: Band 1/3/5/7/8/20 American band: GSM: Band 2/3/5/8 WCDMA: Band 1/2/4/5 CDMA: Band BC0 TDD-LTE: Band 40/41 FDD-LTE: Band B1/2/4/5/7/28A/28B
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WiFi	2.4GHz & 5GHz Protocol: IEEE 802.11 a/b/g/n/ac/r/e/i Fast Roaming
GPS	Beidou, Glonass, GPS, Galileo, QZSS
Bluetooth	Bluetooth 5.0

Data capture

Bar code Engine	Zebra/ Honeywell/Newland
1D Symbolologies	EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code 39, Codabar, UCC/EAN-128, RSS, ITF, ITF14, ITF6, ISSN, ISBN, Standard 25, Matrix 25, Industrial 25, Plessey, MSI Plessey, Code 11, Code 93, etc.
2D Symbolologies	PDF417, Micro PDF417, QR Code, Micro QR, DataMatrix, AZTEC, Maxicode, Composite, etc.
Camera	Front-5MP(optional) Rear-13MP, autofocus; Rear camera flash; Support flashlight mode

ITO function

NFC	working band: 13.56MHz Support Protocol: MifareClassic (MF1) NDEF, NfcV (15693), Ultraligh (MF0), IsoDep (CPU MF3), IsoDep (CPU) Read Distance: 0-4cm
RFID (UHF)	Workingband: CHINA: 920-925MHz; USA: 902-928MHz; EU: 865-868MHz; Protocol: ISO18000-6C/EPC C1G2 Read Range: up to 15 meters (depending on tags) Read Rate: up to 900 tags/sec (circular polarization) Antenna: Circular polarization 4.5 dBi
Security PSAM	Support 2PSAM cards, ISO7816 standard
Sensor	Light sensor, distance sensor, Gravity sensor, geomagnetic sensor, Hall Sensor (optional)

Others

Certification	CE/CCC/FCC/GMS/AER/RoHS/IP67/TAC/UN38.3
Standard accessories	Adapter/data cable/battery/hand strap /NFC test card/ UHF test label
Optional accessories	Charging cradle /charging cradle adapter/battery/tempered film

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