











C80R Long range UHF RFID reader

Industry-leading RFID performance

| | | | |
|---|--|---|---|
|  5.72" HD+screen |  Octa-core 2.0GHz |  12200 mAh Battery |  1D/2D |
|  Android 11/13 |  15m-28m UHF reading distance |  IP67 |  Super protection in bad weather |

Professional UHF RFID Reading & Writing

- Built with embedded Impinj E710
- Up to 28m of reading distance outdoors

Practical Design Goes Durable

- Ergonomic grip, anti-slip design
- Portable, comfortable, durable

Long-Lasting Battery Performance

- 12200mAh large capacity battery
- Removable and support quick charge
- Fulfill the work efficiency and not interrupted by power off

Powerful Multiple Tags Reading

- Multiple tags reading speed ≥ 260 tags/ sec
- Up to 1300 tags/sec (circular polarization)
- Realizing batch data reading, increasing efficiency for enterprises

IP67 Protection Level

- IP67 seal level, anti-dust and waterproof
- 1.2m drop resistance
- Perfectly meet demands in intensive applications

Barcode Scanning Optinal

- One-button switch between RFID and Barcode
- Light indicator to know current mode status

Application Scenarios



C80R Specifications

Physical Parameters

| | |
|---------------------|---|
| Size | 169.9× 87.7×138mm(L×W×H) |
| Weight | 630±50g(including battery) |
| Display | 5.72inch IPS, Resolution:1440 * 720/2160*1080 (optional) |
| Touch Panel | Capacitive touch, support with wet hands or gloved fingertip operating |
| Backlight | LED backlight |
| Power | Removable terminal battery: 6200mAh, 3.8V Removable handgrip battery: 6000mAh, 3.8V Uptime:more than 8 hours,Standby time:300 hours |
| Cardslot | 1*nano SIM. 1*nano SIM/Micro SD(256GB Max.) 2*SAM (optional) |
| Communication | Type-C, support OTG |
| Network Connections | 4G/3G/2G, Wi-Fi, Bluetooth |
| Notification | Warning Tone, Multi-color LED, Vibration |
| Audio | Microphone, Loudspeaker and Receiver |
| Physical Keys | Power, Left scan, Right scan, Volume+, Volume - Customizable keys |
| Power Adaptor | Input:100-240V, 50/60Hz 300mA;Output: 5V@2A |

Performance Parameters

| | |
|--------|--|
| CPU | Octa-core 2.0GHz |
| OS | Android 11/13, GMS Certified |
| Memory | 4GB RAM / 64GB ROM 6GB RAM / 128GB ROM (optional) |

Working Environment

| | |
|-------------------------------|--|
| Operating Temperature | - 20°C to 55°C |
| Storage Temperature | - 40°C to 70°C |
| Humidness | 5% to 95% (non-condensation) |
| Drop Specification | Within operating temperature range,multiple 1.2m drops to the ground |
| Vibration | Random (10~2000Hz) 60 minutes duration per axis, 3 axis |
| Electrostatic Discharge (ESD) | Air Discharge: ±10KV; Contact Discharge: ±6KV |
| Sealing | IP67 |

Wireless Communication

| | |
|------|--|
| WWAN | Asia + Europe band: GSM:Band 2/3/5/8 WCDMA: Band 1/2/5/8 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 |

| | |
|-----------|--|
| WIFI | WIFI frequency: 2.4GHz & 5GHz WIFI protocol: IEEE 802.11a/b/g/n/ac Support IEEE 802.11 d/e/h/i/j/k/r/v/w |
| GPS | GPS + Glonass + Beidou/Galileo |
| Bluetooth | Bluetooth 5.0 |

Data Collection

| | |
|----------------------------|---|
| Scanning Engine | Professional 1D/2D scan engine |
| Supported 1D Barcode Types | UPC/EAN,Bookland EAN,UCC Coupon Code,ISSN EAN, Code 128,GS1-128,ISBT 128, Code 39,Trioptic Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5,Discrete 2 of 5,Codabar,MSI,Chinese 2 of 5,Korean 3 of 5,Matrix 2 of 5,Inverse 1D,GS1 DataBar,Composite Codes, etc. |
| Supported 2D Barcode Types | PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode, QR Code, MicroQR, QR inverse, Aztec, Aztec Inverse, Postal Codes: US Postnet, US Planet, UK Postal, Australian Postal, Japan Postal, Netherlands KIX Code, USPS 4CB/One/Intelligent Mail, UPS FICSP stal, Han Xin Code, etc. |
| Camera | Front camera: 5 MP Rear camera: 13 MP, AF Rear camera support flash LED & flashlight mode |

Internet of Things Functions

| | |
|--------------|---|
| NFC | Operating frequency: 13.56MHz Support protocol: ISO/IEC 14443A/B, ISO/IEC 15693, MIFARE 1K/4K, MIFARE DESFire, FeliCa Reading distance: <5cm (depending on the type of card) |
| RFID | Operating frequency: CN: 920-925MHz US: 902-928MHz EU: 865-868MHz Engine: International mainstream engine Antenna: Circular polarization 4.5 dBi Support protocol: ISO18000-6C/EPC C1G2 Reading distance: up to 28 meters (depending on tags) Reading rate: up to 1300 tags/sec (circular polarization) * Above reading distance was measured in an outdoor open and low interference environment, and the batch reading rate was measured in a laboratory low interference environment. |
| Security SAM | Support ISO7816 standard, 2*SAM cards (optional) |
| Sensor | Light sensor, distance sensor, gravity acceleration sensor, geomagnetic transmission sensor |

Others

| | |
|----------------------|---|
| Certification | CCC/CTA/SRRC/CE/GMS/MSDS/UN38.3/RoHS/IP67 |
| Standard Accessories | Power Adapter/USB cable/Battery/NFC test card/UHF test tag/Tempered glass |
| Optional Accessories | Charging Cradle/Cradle adapter/Lanyard |

Head office: 4th Floor, HuixinBC Building A, Zhangba 1st Road, Hi-tech Zone, Xi'an, Shaanxi, China

+86 29-88605856

Shenzhen branch: 6th floor, Building 1, Qiyu industrial Park, Tiezai Road No.64, Xixiang, Baoan District, 518102 shenzhen, CHINA

+86 755-2912 0504

E-mail: contact@cilico.com



www.cilico.com