

# Aurora C80

## Handheld Computer



CILICO Aurora C80 handheld mobile terminal is highly integrated and expandable to different versions with powerful functions. It supports the NFC, fingerprinter, short/long barcode reading, build-in HF, UHF, long distance RFID reading, SAM. Meanwhile, it has the various accessories such as 4600/6200mAh battery, hot wap, pistol grip, cradle etc, which makes the work more flexible and easier. C80 mobile terminal can be widely used in different industries such as healthcare, logistics, warehouse, retail, smart manufacturer and asset management.

### Innovative Technology Smooth and More Efficient Operation

C80 is equipped with Octa core 2.0GHz CPU and Android 11/13 OS with GMS certified, which is smooth, more secure and super experience. With 4+64G/6+128G large memory, it works smoother multitasking. Highly integrated scanning, UHF RFID, NFC, SAM in such small impact size. A variety of scanning engine options to deal with all kinds of impossibilities.

### Innovative Batteries Full Day Working Freely

6200mAh large-capacity battery which can last for more than 10 hours. Removable battery, supporting hot swap battery and 24 hours continuously working.

### Comprehensive Management Software Customized Ultimate Experience

CILICO self-owned iVYAi management system successful to achieve all the global devices management. Independently customized IoT OS development service kit to offer you the super user experience.

### Rebuilt Classic 360° Super Protection Strong and Durable

IP67, 1.5m drop resistant, special designed for harsh environments. It is easy to deal with during bad weather such as rain, snow and fog.

### Light And Large Vision With Easy and Free Hand Control

5.72 inch full-view IPS touch screen for smooth vision and easy reading. It can be used smoothly in wet hands, gloves and complex environments. Light device body can be operated by one hand comfortably and conveniently.

### Professional Design based on Industry Scenarios Super User-Experience

Only One-click, easily access to required applications. Double MIC design, call quality better. Innovative industry product highly-integrated temperature measurement and pupil lamp, more focused and professional.

### Application Scenarios



Medical and healthcare



Retail



Logistics and Warehouse



Smart Manufacturing



Railway and Transportation

# C80 Specifications

## Physical Parameters

Size	165.6*80.9*21.7mm(L×W×H)
Weight	278g (including 4600mAh battery) 303g (including 6200mAh battery)
Display	5.72 inch IPS screen Resolution: 1440 * 720 /2160*1080 (optional)
Touch Panel	Capacitive touch, support with wet hands or gloved fingertip operating
Backlight	LED backlight
Power	Removable Li-Ion 4600mAh/6200mAh, 3.8V Uptime: more than 10 hours Standby time: 300 hours Backup battery (optional): 150mAh
Card Slot	1*nano SIM, 1*nano SIM/Micro SD (Max. 256GB) 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-, User custom key
Fingerprint	Support fingerprint unlock (optional)
Power Adaptor	Input:100-240V, 50/60Hz 300mA; Output: 5V@2A Fast Charging Output: 5V@3A/9V@2A/12V@1.5A

## Performance Parameters

CPU	Octa-core 2.0GHz
OS	Android 11/13, GMS/AER 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 1.5m drops to the ground
Tumble Specification	200 times of 1.6 ft/0.5 m tumbles, meets IEC tumble specification
Vibration	Random (10~2000Hz) 60 minutes duration per axis, 3 axis
Electrostatic Discharge	Air Discharge:±10KV; Contact Discharge:±8KV
Sealing	IP67

## Wireless Communication

WWAN	<b>Asia + Europe band:</b> 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
	<b>American band:</b> 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, FF  
Rear camera: 13 MP, AF  
Rear auxiliary camera: 2 MP, FF (Optional)  
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 (UHF)  
Operating frequency:  
CN: 920-925MHz  
US: 902-928MHz  
EU: 865-868MHz  
Support protocol: ISO18000-6C/EPC C1G2  
Reading distance:0.8m (depending on the label)

Security SAM  
Supporting ISO7816 standard, 2\*SAM cards (optional)

Sensor  
Light sensor, distance sensor,  
gravity acceleration sensor,  
geomagnetic transmission sensor

## Others

Certification  
CCC/CTA/SRRC/CE/RoHS/MSDS/UN38.3/IP67/Drop/Antibacterial certified/Explosion-proof

Standard Accessories  
Power Adapter/USB cable/Battery/Tempered glass/NFC test card/UHF test tag

Optional Accessories  
Fast charging adapter/Charging cradle/Cradle adapter  
Extended battery/Handstrap/Protective cover/Pistol grip

Explosion-proof Certification  
Exib IIC T4 Gb (explosion-resistant battery is needed)