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 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 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 MDM 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, Multiple 1.22m per MIL-STD-810G drops to concrete at room
- temperature without rubber boot
  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 comfortable and convenient

Professional Design based on Industry Scenarios Super User-Experience

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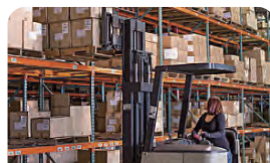 Innovative industry product highly-integrated temperature measurement and pupil lamp, more focused and professional

Application Scenarios

| Medical and healthcare | Retail | Logistics and Warehouse | Smart Manufacture | Railway and Transportation |

C80 Specifications

Physical Parameters

Size	162*78.5*19.8mm(L×W×H)
Weight	305g (including 6200mAh battery)
Display	5.72 inch IPS screen, brightness 500 nits 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 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 Card (Max. 256GB)
Communication	USB 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	MTK Octa-core 2.0GHz
OS	Android 13, upgradable to Android 15, GMS/AER Certified
Memory	4GB RAM / 64GB ROM 6GB RAM / 128GB ROM (optional)

Working Environment

Operating Temperature	- 20℃ to 55℃
Storage Temperature	- 40℃ to 70℃
Humidness	5% to 95% (non-condensation)
Drop Specification	Multiple 1.22m per MIL-STD-810G drops to concrete at room temperature without rubber boot
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	**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 I/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/d/e/h/i/j/k/r/v/w
GPS	GPS + Glonass + Beidou/Galileo
Bluetooth	Bluetooth 5.0

Data Collection

Scan Engine	1D/2D scan engine, can read all languages with customization
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 tag)
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	Fast charging adapter/USB cable/Battery/NFC test card Handstrap/Rubber boot/Protection film
Optional Accessories	Charging cradle/Cradle adapter /Pistol grip
Explosion-proof Certification	Exib IIC T4 Gb (explosion-resistant battery is needed)