Aurora C80
Handheld Computer

NEW Aurora Series

CILICO®
RFID Mobile Computer Expert

CILICO Aurora C80 handheld computer is with trendy, powerful, original, and professional design. It includes standard version, medical version and UHF versions, which can be extended up to 13 different versions. It not only has one 4600mAh removable battery, but also supports hot swap battery and pistol battery meanwhile, which allows 24 hours uninterrupted work. CILICO insists on original design of high integration and small size, such as built-in UHF module, PSAM etc. With elegant design and powerful performance, C80 handheld computer can be widely used in industries such as medical and health, logistics and warehouse, retail, smart manufacture, and asset management etc.

Innovative technology
smooth and more efficient operation

- C80 is equipped with Octa core 2.0GHz CPU and Android11 OS with GMS certified, which is smooth, more secure and super experience
- With 4GB RAM+64GB ROM large memory, it works smoother multitasking
- Highly integrated scanning, UHF RFID, NFC, PSAM in such small impact size
- A variety of scanning engine options to deal with all kinds of impossibilities

Innovative batteries
24 hours full day working freely

- 4600mAh large-capacity battery which can last for more than 12 hours
- Removable battery, supporting hot swap battery and 24hours never power off

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 u the super user experience

Rebuilt classic 360°
super protection strong and durable

- IP67, 1.5 m 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 HD 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

Intimate design
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
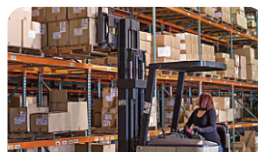
Application Scenarios

| Medical and healthcare | Retail | Logistics and warehouse | Smart manufacture | Railway and transportation |

Basic Parameters

Size	162×76.8 ×13.9mm
Weight	252g(including battery)
Display	5.72inch 18:9 HD+(1440*720)
Touch panel	Gorillaglass, plated with anti-fingerprint film, supports wet hand operation
Backlit	LED Backlit
POWER	4600mAh ， 3.8V removable lithium battery； spare battery(optional):150mAh More than 8hours working time , and standby time 300hours
SIM	SIM+TF: nano sim+nano sim/TF Card
USB port	Type-c, Support OTG
Network connections	4G/3G/2G、Wi-Fi、GPRS
Notification	Cue Tone; multi-color led; Vibration
Keyboard	3 virtual buttons：Back、Home、Menu
Audio frequency	A microphone, speaker, receiver

Performance Parameter

CPU	Octa-core 2.0GHz
OS	Android 11 with GMS
Memory	Standard 4GB+64GB（LPDDR4X+EMMC）， Option 3GB+32GB/6G+128G

Working environment

Operating temperature	-20°C to 55°C
Humidity	5% to 95% (Non-condensation)
Drop specification	Within the working temperature range, it can withstand repeated falls from a height of 1.5 meters to the concrete floor
Roll Specification	Can Withstand 200 times 1.6 ft/0.5 m rolling impact; meets or exceeds IEC
Vibration	Random(10 Hz-30KHz);60 minutes per shaft
Electrostatic protection	+/- 10kv air discharge +/-6kv contact discharge
Protection level	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
WIFI	Wifi Frequency：2.4GHz & 5GHz Protocol：802.11 a/b/g/n/ac/r/e/i Fast Roaming
navigation	Beidou、Glonass、GPS、Galileo、QZSS
Version	Bluetooth 5.0

Data Collection

Scanning engine	Professional scanner、one/two-dimensional barcode
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
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 FICS Pstal
Cmera	Front:5MP FF Rear:13MP AF,and2MP FF secondary camera(optional)

Internet of things function

NFC	working band:13.56MHz Support Protocol：MifareClassic（MF1）NDEF, NfcV（15693）,Ultraligh（MF0）, IsoDep（CPU MF3）,IsoDep（CPU）Read Distance：0-5cm
RFID	Workingband:CHINA： 920-925MHz; USA: 902-928MHz; EU: 865-868MHz; Protocol： ISO18000-6C/EPC C1G2 Read Distance： around 0.8m depends on the tags
Security PSAM	Supporting ISO7816 standard, supporting 1PSAM cards
Sensors	Light Sensor, distance sensor, gravity accelerometer, geomagnetic sensor, Hall Effect Sensor (Optional)

Others

Certification	CE/CCC/UN38.3/RoHS/IP67
Standard accessories	5V/2A adapter/Data cable/battery/quick guide/UHF test tag
Optional accessories	Charging cradle/charging cradle adapter/battery/temperedglass /hand strap/pistol grip/lanyard