

# Aurora C80U

**Handheld Computer**



CILICO Aurora C80U handheld mobile terminal is highly intergated 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 acces-sories such as 4600/6200mAh battery, hot wap, pistol grip, cradle etc, which makes the work more flexible and easier. C80U 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 Effcient Operation

C80U is equipped with Octa core 2.0GHz CPU and Android 11/13 OS with GMS certihed, 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 24hours 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 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

# C80U Specifications

Physical Parameters		WIFI	
Size	165.6*80.9*21.7mm(L×W×H)	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
Weight	278g (including 4600mAh battery) 303g (including 6200mAh battery)	GPS	GPS + Glonass + Beidou/Galileo
Display	5.72 inch IPS screen Resolution: 1440 * 720 /2160*1080 (optional)	Bluetooth	Bluetooth 5.0
Touch Panel	Capacitive touch, support with wet hands or gloved fingertip operating	Data Collection	
Backlight	LED backlight	Scanning Engine	Professional 1D/2D scan engine
Power	Removable Li-Ion 4600mAh/6200mAh, 3.8V Uptime: more than 10 hours Standby time: 300 hours Backup battery (optional): 150mAh	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.
Card Slot	1*nano SIM, 1*nano SIM/Micro SD (Max. 256GB) 2*SAM (optional)	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.
Communication	Type-C, support OTG	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
Network Connections	4G/3G/2G, Wi-Fi, Bluetooth	Internet of Things Functions	
Notification	Warning Tone, Multi-color LED, Vibration	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)
Audio	Microphone, Loudspeaker and Receiver	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)
Physical Keys	Power, Left scan, Right scan, Volume+, Volume-, User custom key	Security SAM	Supporting ISO7816 standard, 2*SAM cards (optional)
Fingerprint	Support fingerprint unlock (optional)	Sensor	Light sensor, distance sensor, gravity acceleration sensor, geomagnetic transmission sensor
Power Adaptor	Input:100-240V, 50/60Hz 300mA; Output: 5V@2A Fast Charging Output: 5V@3A/9V@2A/12V@1.5A	Others	
Performance Parameters		Certification	CCC/CTA/SRRC/CE/RoHS/MSDS/UN38.3/IP67/Drop/Antibacterial certified/Explosion-proof
CPU	Octa-core 2.0GHz	Standard Accessories	Power Adapter/USB cable/Battery/Tempered glass/NFC test card/UHF test tag
OS	Android 11/13, GMS/AER Certified	Optional Accessories	Fast charging adapter/Charging cradle/Cradle adapter Extended battery/Handstrap/Protective cover/Pistol grip
Memory	4GB RAM / 64GB ROM 6GB RAM / 128GB ROM (optional)	Explosion-proof Certification	Exhib IIC T4 Gb (explosion-resistant battery is needed)
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		

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