Aurora C80
Healthcare Mobile Computer
Ultimate experience Professional Design

CILICO Aurora C80, a healthcare mobile computer, is specially designed for the healthcare industry, which innovatively integrates temperature measurement function and pupil lamp. It helps medical staff more efficiently to work under medical scenarios such as nursing, emergency center, drug management, material traceability, SPD, etc.

Light and large vision, free and easy operation

- 5.7inch full-viewing, HD touch screen showing all medical information
- Super sensitive touch, using smoothly by wet hand, gloves, diagnosis and treatments information easily input.

Bright and distinct sound

- Double MIC design, using high-volume loudspeakers and advanced noise cancellation technology
- High-definition calling voice can help nurses working easily in noisy environment

Innovative technology
smooth and more efficient operation

- Android11 OS with GMS certified, which is smooth, more secure and super experience
- Large RAM and ROM memory makes multiple-task processing more fluent

Comprehensive management software and Customized ultimate experience

- CILICO self-owned iVYAi management system, successful assist IT dept. to achieve all the hospital devices management
- Independently customized IoT OS development service kit to offer u the super user experience

Slim design and light weight

- The 14mm device body is thin and light weight, and the nurse can "hold it with one hand", which is comfortable and convenient
- The whole machine weighs 252g only, making it easier for nurses to carry around

Innovative technology, more professional

- Innovatively integrates temperature measurement and pupil lamp, making medical care work more efficient
- A variety of scanning engine options can powerfully meet different sub-scenarios such as mobile nursing, emergency center, drug management, asset traceability, SPD, etc.
- The high-performance barcode scanner can accurately and quickly read barcodes such as patient wristbands and infusion bags to improve nursing efficiency

Super and intimate protection

- IP67, 1.5M drop resistance, 360° super protection, strong and durable
- Medical grade antibacterial case, withstand disinfectant and alcohol wipe, prevent cross infection, reach safety medical operation

Innovative batteries
support using in 24 hours with hot-swap

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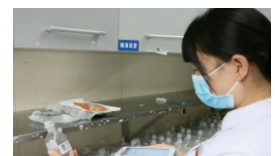- Removable battery, supporting backup battery and 24hours never power off

Application Scenarios

| mobile nursing | drug management | medical waste management | temperature measuring | PIVAS/SPD |

C80 Specifications

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	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	Auto discriminates all standard 1D codes including GS1 DataBar and 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

Healthcare features

Temperature sensor	**support (optional)**
Measurement site	Human forehead / object
Measuring method	non-contact / infrared
Measuring distance	0~6cm
Temperature measurement time	≤1S
Measuring range:	Human body mode: 34 ~ 42 °C, Object mode: 0-100°C
Measurement accuracy	Human body mode: 34 ~ 42°C indoor accuracy: ±0.2°C, outdoor accuracy: ±0.3°C Object mode: ±1.0°C
Operating environment	Temperature 0 ~ 35 °C, relative humidity ≤85% Rh,
Pupil lamp	**support (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

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/tempered glass/hand strap/pistol grip/lanyard