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 to work more efficiently under medical scenarios such as nursing, emergency center, drug management, material traceability, SPD, etc.

Light and Large Vision, Free and Easy Operation

· 5.72inch 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

· Android11/13 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 iVAi 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 278g 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
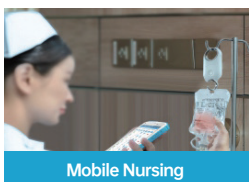
Super and Comprehensive Protection

· 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 full day working, and with hot-swap optional

· 4600mAh large-capacity battery which can last for more than 12 hours
· Removable battery, and backup battery supports hot-swap

Application Scenarios

| Mobile Nursing | Drug Management | Medical Waste Management | Temperature Measuring | PIVAS/SPD |

C80HC 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℃ to 55℃
Storage Temperature	- 40℃ to 70℃
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	**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 Suppurt 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)