CILICO

RFID Mobile Computer Expert

F880
UHF Mobile Computer

Smart and Powerful
Excellent Customer Experience

· Great UHF R/W performance, reading distance up to 3 meters above, support UHF global frequency, suitable for widely markets
· UHF, 1D/2D scanning, and NFC all-in-one, smart and powerful

Octa-core/2.0GHz
High Speed CPU

· Equipped with 2.0GHz, octa-core processor
· Internal acceleration engine, smoothly running with multi-task synchronously

Powerful
Wireless Communication

· 4G global frequency bands, meet the needs of users around the world
· Dual-band Wi-Fi (2.4G+5G), seamless roaming, signal is more stable
· For the global application scenario adaptation, the industry-leading NFC solution is selected to support mainstream NFC cards in the market

5.5 inch
Large Screen

· 720*1280P, 1920*1080 resolution
· Corning Gorilla Panel, Visible under glare, support gloves / wet hand operation

IP67
Sealing Level

· Soft and hard plastic double material injection molding, military defense quality, dustproof, waterproof, anti-fall
· 6 sides can withstand the multiple 1.2m drops to concrete
· IP67 rated protection, can be fully immersed in water depth of 1.5 meters, suitable for outdoor, cold chain, warehouse and other harsh environments

5700mAh
Super Battery Life

· Support 8 hours of continuous work
· Standby time up to 300 hours
· Equipped with CILICO ETs system-level power-saving management solution, excellent endurance performance, to meet the user's all-day experience

Internet of Things
Industry System

· Based on CILICO IoT OS, the software operation is simpler, and the system interface is more in line with the industry customers' habits
· Self-developed MDM cloud platform, reducing management and maintenance pressure
· Customizable system security management to ensure enterprise data security
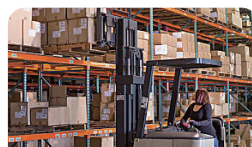
Application Scenarios

Warehouse Inventory

Inspection

Production & Manufacture

Logistics

Retail

F880 Specifications

Physical Parameters

Size	180mm×84mm×21mm (L×W×H)
Weight	429g (including battery)
Display	5.5 inch, Resolution: 720*1280/1920*1080 (optional)
Touch Panel	Capacitive touch, support with wet hands or gloved fingertip operating
Backlight	LED backlight
Power	Removable terminal battery: 5700mAh, 3.8V Uptime: more than 8 hours Standby time: 300 hours
Cardslot	1*SIM, 1*MicroSD (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
Keyboard	On-screen Keyboard + 3 Virtual Keys: Back, Home, Menu
Audio	Microphone, Loudspeaker and Receiver
Physical Keys	Power, Left scan, Right scan, Volume+,Volume-
Power Adaptor	Input:100-240V, 50/60Hz 300mA;Output: 5V@2A

Performance Parameters

CPU	Octa-core 2.0GHz
OS	Android 11
Memory	4GB RAM / 64GB ROM

Working Environment

Operating Temperature	- 20℃ to 55℃
Storage Temperature	- 40℃ to 70℃
Humidness	5% to 95% (non-condensation)
Drop Specification	Within operating temperature range, it can withstand several drops from 1.2m height to the concrete 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：±6KV
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 Rear camera：13 MP support flashlight;Support 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	Operating frequency: CN:920-925MHz US:902-928MHz EU:865-868MHz Support protocol: ISO18000-6C/EPC C1G2 Reading distance: 3m （depending on the label)
Security SAM	Supporting ISO7816 standard, 2*SAM (optional)
Sensor	Light sensor, distance sensor, gravity acceleration sensor, geomagnetic transmission sensor

Others

Certification	CE/CCC/CTA/SRRC/MSDS/UN38.3/ROSH/IP67/Drop/Explosion-proof
Standard Accessories	Power adapter/USB cable/ Battery/Handstrap/Lock Picking tool/NFC test card/UHF test tag
Optional Accessories	Charging cradle/Cradle adapter/Tempered glass
Explosion-proof Certification	Ex ib IIC T4 Gb (explosion-resistant battery is needed)