

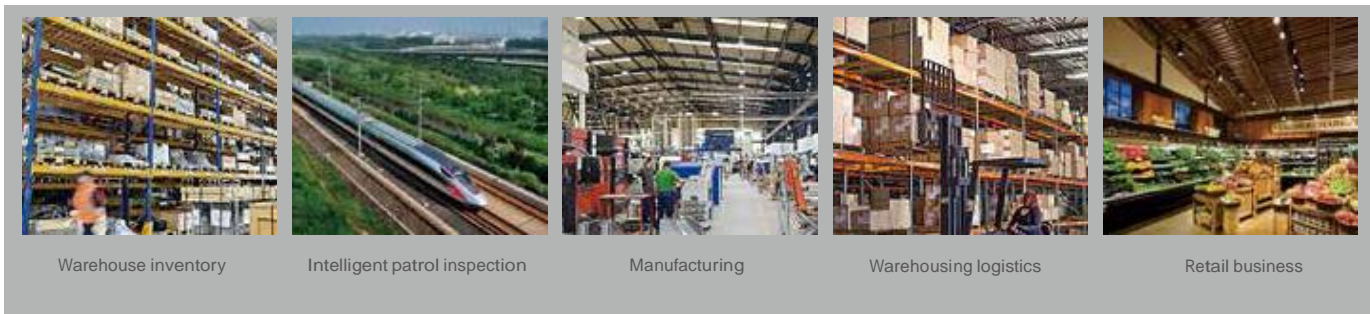


F880 long distance UHF mobile computer(1—3m)



CILICO F880, a rugged UHF mobile terminal, based on Android 9.0 system and Octa-core processor. The CPU is 2.5 GHz. F880 with special Built-in UHF, 1D/2D scanning, dual PSAM, NFC and other IoT functions. It has smart shape and powerful RFID reading distance up to 3 meters. F880 is specially designed for data collection scenarios such as warehouse inventory, intelligent inspection, production and manufacturing, and commercial retail industry.

Vertical application



F880 Specifications

Physical Parameter

Size	180mm×84mm×21mm (L×W×H)
Weight	380g (including battery)
Display	5.5 inch IPS screen Resolution: 1920*1080
Touch panel	Capacitance,support wethandand glove-based input
Backlight	LEDBacklight
Battery	Li-polymer,5700mAh Uptime: more than 8 hours Standby time: 300 hours
Card slot	1 SIM card slot, 2 PSAM card slots 1 Micro SD card slot
Communication interface	Type-c, support OTG
Network connections	4G/3G/2G, Wi-Fi, Bluetooth, GPS, BDS, GLONASS
Notification	Warning Tone; Multi-color LED; Vibration
Keyboard	On-screen Keyboard+3 Virtual Keys: Back, Home and Menu
Audio-frequency	Microphone, Loudspeaker and Receiver
Keypad	Power switch: 2 Scan keys; Volume keys (+,-)
Power adaptor	Input: 100-240V, 50/60HZ 300mA Output: 5V, 2A

Performance Parameter

CPU	Octa-core,2.5GHz
OS	Android 9.0
Memory	3GB RAM/32GB ROM

Working environment

Operating temperature	-4°F—122°F/-20°C—50°C
Humidity	5% to 85%(non-condensation)
Drop specification	4.9 feet / 1.5 m height to the concrete ground
Roll specification	500 times of 1.6 feet / 0.5 m rolls; higher than IEC roll standard
Vibration	4g SPK Sine (5Hz to 2KHz); 0.04g2/Hz randomness (20Hz to 2KHz); 60 minutes per axle, 3 axles
Thermal shock	-40°F to 140°F/-20°C to 60°C fast fade
Electrostatic protection	+/- 10kv air discharge; +/-8kv contact discharge

Wireless Communication

WWAN	GSM/GPRS/WCDMA/CDMA/ TD-SCDMA/TDD-LTE/FDD-LTE
WIFI	WIFI frequency: 2.4GHz & 5GHz WIFI protocol: 802.11a/b/g/n/ac
GPS	GPS #BDS#GLONASS
Bluetooth	Bluetooth 4.2

Data Collection

Supported 1DSymbologies	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 2DSymbologies	PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse,Maxicode, QR Code, MicroQR, QRInverse, Aztec, Aztec Inverse, Postal Codes: USPostnet, US Planet, UK Postal, Australian Postal, Japan Postal, Netherlands KIX Code, USPS 4CB/One/ Intelligent Mail, UPS FICS Pstal, etc.
Camera	Front camera: 2 MP Rear camera : 8MP, auto-focusing; support flashlight
NFC	Operating frequency: 13.56MHz Support protocol: MifareClassic (MF1) NDEF, NfcV (15693), Ultralight (MF0), IsoDep (Quasi CPU MF3), IsoDep (CPU) Reading distance: 0-5cm (depending on the label and antenna)
RFID	Operating frequency: CN: 920-925MHz US: 902-928MHz EU: 865-868MHz JP: 916-921MHz (wLBT) JP: 916-923MHz Support protocol: ISO18000-6C/EPC C1G2 Reading distance: 3~5 m (depending on the label and antenna)
Security PSAM	Supporting ISO7816 standard, supporting 2 PSAM cards
Sensors	Light sensor, distance sensor, gravity acceleration sensor, geomagnetic transmission sensor, Hall sensor (optional)

Others

Certification	CE/CCC/UN38.3/RoHS/IP67/FCC
Accessories	Power Adapter/USB cable/ battery
Optional accessories	Multiple charging cradle

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