

C70T

Thermometry Android Mobile Computer



C70T is a high-performance intelligent handheld terminal which designed for temperature measurement. It is developed based on Android system, with high-performance processor, first-class configuration and fast operation, this device can be widely used in multiple temperature measurement scenarios. Temperature measurement module on top is more convenient for the user to operate, and helps the user to quickly realize information management and improve work efficiency.



ANDROID



LTE



WIFI



BLUETOOTH



NFC



GPS



IP65



1D / 2D



FINGERPRINT



IRIS



CAMERA

C70T Specifications



Physical Characteristics

Dimensions	163.8*79.2*13.8mm
Weight	242gr
Display	5.2" IPS LTPS 1920 x 1080
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, 4000mAh Standby: over 300 hours Continuous use: over 12 hours (depending on user environment) Charging time: 2-3 hours (with standard adaptor and USB cable)
Expansion Slot	1 slot for Nano SIM card, 1 slot for Nano SIM or TF card
Interfaces	USB2.0 Type-C, OTG, supports TypeC headphones
Audio	Speaker, microphone
Indicator LED	Power charging, Status indicator
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
Sensors	Light sensor, proximity sensor, gravity sensor

Performance

CPU	Cortex-A53 2.5 / 2.3 GHz Octa-core
RAM+ROM	3GB+32GB / 4GB+64Gb
Expansion	Supports up to 128 GB Micro SD card

Developing Environment

Operating System	Android 8.1; SafeUEM supported
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-20 °C to 50 °C
Storage Temp.	-40 °C to 70 °C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.8m drops to the concrete across the operating temperature range Multiple 2.4m drops to the concrete with options bumpers installed
Tumble Specification	1000 x 0.5m falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	15KV air discharge, ±8KV conductive discharge

Communication

WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN(EU)	2G: 850/900/1800/1900 MHz 3G: CDMA EVDO: BC0 WCDMA: 850/900/1900/2100MHz TD-SCDMA: A/F(B34/B39) 4G: B1/B3/B5/B7/B8/B20/B38/B39/B40/B41 Android 8.1: Bluetooth v2.1+EDR,3.0+HS,v4.1+HS Android 11: Bluetooth 5.0
Bluetooth	
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna

Temperature

Measure Position	Human forehead / Object surface
Measure Method	Non-contact / Infrared
Measure Distance	1 - 3 cm
Measure Range	Human forehead: 32°C to 42.9°C; Object surface: -40°C to 115°C;
Measure Accuracy	Human forehead: ±0.2°C; Object surface: ±0.5°C;
Measure Duration	1 sec
Spectral Range	5.5 -15 μm
Resolution	0.02°C

The infrared module has 80 degrees limitation, the best measure angle should be in this range.

NFC

Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693, NFC
Chip	M1 card (S50, S70), CPU card, etc.

Barcode Scanning (Optional)

Scan Engine	Zebra SE4710 / Honeywell N6603
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSS, etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

Camera

Rear Camera	13MP Autofocus with flash
Front Camera	5MP

IRIS (Optional)

Rate	< 150 ms
Range	20-40 cm
FAR	1/10000000
Protocoll	ISO/IEC 19794-6, GB/T 20979-2007