unimes 优尼麦斯

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Super 5G core,
fearless of higher challenges

5G communication, efficient and stable

5G all Netcom has a transmission speed of 100 times that of 4G and a peak rate of 20Gbps. At the same time, it supports 5G modes of SA, NSA and sub6 to meet the needs of a large number of data transmission when there is no WiFi outdoors, breaking the environmental restrictions.
5G WiFi supports MIMO multi-channel transmission, with better performance, more efficient operation and more stable connection. It can meet the needs of a large number of devices connecting to the same AP for a large number of data transmission.

Top core, surging performance

MTK 8-core 5g chip, advanced 7nm technology, first-class power consumption control, smooth, stable, longer battery life, smooth use experience, and easy adaptation of mainstream ERP in the market. Enterprise Bluetooth 5.1 supports DF function and centimeter level accurate positioning, which is faster and more stable, with larger data transmission capacity. It bid farewell to the traditional transmission distance limit.

PDA industrial design flagship in 5G Era

6.21 inch 1520 * 720 full-scale water drop screen, ultra-high resolution, the screen is filled with the body, and the top is large. Screen, highlight, outdoor strong light is clearly visible, greatly improving work efficiency. IP67 protection grade, two-color injection molding process, hard rubber support structure, soft rubber buffer force and beauty. The observation distance is strong and protected, 1.5m cement ground drop test is given. It can be used safely in any scene. Extend the service life of the equipment. 18W fast charging design, high-speed charging, 4500mAh detachable super large battery, easy to replace battery. Newly upgraded the industry-leading USB3.0 protocol, with a significant increase in transmission speed of 1000%.

FC CCC CE RoHS

System configuration

CPU	MTK Octa-core 2.0GHz, 7nm process technology
Operating System	Android 11.0
Memory (ROM+RAM)	64GB+4GB,(Optional 16GB+2GB/32GB+3GB/128GB+ 6GB/256GB+8GB Up to 1TB+16GB)
SIM	SIM card slot*2
Display	6.21 inch, resolution 1520 * 720 HD water drop screen
Touch Panel	Industrial capacitive touch screen supports wet hand operation, glove mode, multi touch and gesture operation
Camera	Rear 16MP camera and 0.3MP sub camera, AF, 5MP front camera
Flash light	800mA high brightness flash lamp
Fingerprint	Support fingerprint identification on the back
Keypad	Scan key*2, power key*1, volume key*2
Charging mode	Type-C or bottom clip, support 9V / 2A, 5V / 3A and 5V / 2A charging
Battery	3.85v 4500mAh removable lithium battery
Audio frequency	Built-in microphone / USB type-C headset
Notification	High power speaker / vibration/ LED
Vibration Motor	Built in programmable vibration motor
Sensor	G-sensor / Proximity sensor /Light sensor / Geomagnetic sensor / Gyroscope
PTT	Support one touch PTT call

Structural Parameters

Dimensions	168mmx79mmx13.7mm((LxWxD))
Weight	245 g (Battery included)

Communication Transmission

Wireless WAN (Network frequency)	Asia-Europe Versions 2G: B2/B3/B5/B8 3G: WCDMA:B1/B5/B8, CDMA BC10, TD-SCDMA: B34/B39 4G:FDD-LTE:B1/B3/B5/B7/B8/B20TDD-LTE:B34/ B38/B39/B40/B41 America: 2G: B2/B3/B5 3G: B1/B2/B4/B5; CDMA BC0/BC1 (U.S.A) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41 5G: N1/N3/N38/N41/N77/N78/N79
Wireless WAN (Data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE/SA/NSA/Sub6
Wireless WAN	Wi-Fi 802.11 /a/b/g/n/ac/d/e/h/i/j/k/r/v/w Support 1 * 1 MIMO WiFi 5G PA signal amplifier (2.4G+5G)
GPS	GPS/AGPS/Beidou/Galileo/Glonass/QZSS Target SNR≥39dB (Singal level -130dBm)
Bluetooth	Bluetooth 5.1

Environmental Specififications

Operation Temp.	-20℃ ~60℃
Storage Temp.	-40℃ ~70℃ (battery not included)
Drop	The 1.5m cement floor fell several times.
Rolling resistance	500 times 0.5m rolling (equivalent to 1000 impacts)
Humidity	0～95% (non-condensing)
Protection level	IP67
Development tool	Android SDK, API, DEMO
Language	Java
ESD	±8kV Contact, ±15kV Air

1D Laser Scanner

Scan Precision	≥4 mil
Scan Depth of Field	3.81 cm -60.98 cm
Scan Angle	47°± 3°(Standard)
Scan Frequency	102 ± 12 scans/sec. (Bidirectional)

1D / 2D Area Imager

Scan Precision	3mil c39/128
Rotate Angle	360°
Pitch Angle	±60°
Skew Tolerance	±45°
Scan Frequency	20 times/s
Laser Safety Grade	Class II
Image Resolution	844(H)×640(V)
Image Frame	60fps
Light Source System	LED light, laser aiming
Mini. Print Contrast	20%

NFC

Frequency	13.56 MHz
Reading Distance	Within 60mm
Protocol	ISO14443A/14443B/15693

Input/Output Ports

USB Port	USB3.0 TYPE-C, support headset
Charging port	2 pin charging interface
OTG	Support

Accessories

Standard	USB cable, hand strap
Optional	Protect case, single charge dock, bottom charging clip, quadruplex charger

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Main application areas：

Logistic   Retail   Warehousing   Public   HealthCare   Manufacturing

4G   WiFi   *   NFC