



unimes
—— 优尼麦斯 ——

i50

Comprehensive performance upgrade

Deep optimization of scanning performance

Fast scanning: Black-tech Smart light 2.0, decoding speed increased by 50%

Persistent scanning: AI intelligent dimming can effectively solve the heat dissipation problem of fill light and reduce power consumption; power saving mode automatically adjusts power consumption according to the scene, and the scanning endurance is significantly improved;

Long-distance scanning: Adaptive far and near depth of field+ wider reading range, no need for barcode position control and focal length switching, all can be read quickly.

Wi-Fi performance deep optimization

Wi-Fi a/b/g/n/r/ac Protocol: True 5G, standard fast roaming, stable connection, zero delay, no dropped connection;

High-performance 5G PA amplifier: Wi-Fi performance is maximized to meet the demand for faster transmission in complex environments.

Overall configuration upgrade

Enterprise Android 9.0 OS+Octa-core 2.0 GHz CPU+Support maximum 6GB RAM+128GB ROM, respond to multitasking at high speed and bring smooth operation; upgrade Bluetooth 5.0, faster and more stable, lower power consumption; support simultaneous connect multiple devices.

Improved battery life

Standard 3600mAh large-capacity battery, the maximum capacity is optional 7200mAh, and supports 5V/2A and 9V/2A fast charging solutions.



System Configuration

CPU	Octa-core 2.0 GHz
Operating System	Android 9.0
Memory	16GB + 2GB (optional 128GB+6GB/64GB+4GB/32GB+3GB)
Expansion Slot	Micro SD card, up to 256 GB
Display	4.7 inch, 1280 x 720 high resolution
Touch Panel	Industrial-grade capacitive touch panel (supporting operation with gloves)
Camera	8 MP autofocus camera in the back side (13 MP optional), 5MP front camera optional
Exit Window	Corning Gorilla glass
Keypad	4 front keys, 4 side keys, Power key (can be set as customized key)
Battery	3.8V 7200mAh / 3600mAh rechargeable lithium polymer battery
Audio	Built-in microphone /Micro USB/Headphone connector
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	G-Sensor/Proximity sensor/Light sensor

Structural Parameters

Dimensions (LxWxD)	150 mm x 73.5 mm x 16 mm(head 24mm thick)
Weight	230 g(battery included)

Communication Transmission

Wireless WAN (Network frequency)	Asia & Europe: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B2/B5/B8 CDMA BC0 TD-SCDMA:B34/B39 4G: FDD-LTE: B1/B3/B7/B8/B20 TDD-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
Wireless WAN (Data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/ WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
Wireless LAN	Wi-Fi 802.11ac/a/b/g/n/r 5G PA (Dual-band Wi-Fi: 2.4G+5G)
Bluetooth	Bluetooth 5.0
GPS	GPS/AGPS/Beidou Compass/Galileo/Glonass

Operating Environment

Development Tools	Android SDK+JDK+Eclipse
Program Language	Java
Operating Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temp.	-40°C ~ 60°C (-40°F ~ 140°F) battery included -40°C ~ 70°C (-40°F ~ 158°F) battery not included
Relative Humidity	0 ~ 95% (non-condensing)
Sealing	IP65
ESD	15 kV air discharge, 8 kV direct discharge

1D Laser Scanner

Scan Precision	5mil
Rotate Angle	±35°
Pitch Angle	±65°
Skew Tolerance	±50°
Ambient Light	Sunlight: 10,000ft. Candles (107,640Lux) Artificial: 450ft. Candles (4,844Lux)
Scan Frequency	104±12 times/second
Laser Safety Grade	Class II
Code Support	UPC/EAN, POST, Code 128, Code 39, Code 93, Code 11, Coda bar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSSI etc.

1D / 2D Area Imager

Scan Precision	3mil c39/128
Rotate Angle	360°
Pitch Angle	±45°
Skew Tolerance	±65°
Scan Frequency	50ms
Laser Safety Grade	Class II
Image Resolution	844(H)×640(V)
Image Frame	60fps
Light Source System	White light, laser aiming
Mini. Print Contrast	20%
Code Support :	Aztec Code, Codabar, Codablock F, Code 11, Code 128 , Code 2 of 5 , Code 39 , Code 93 , Data Matrix , EAN/JAN-13 , EAN/JAN 8 , EAN-UCC Composite Codes , EAN-UCC Emulation , IATA Code 2 of 5 , Interleaved 2 of 5 , Matrix 2 of 5 , MaxiCode , MicroPDF417 , MSI , PDF417 , Postal Codes (Australian Post , British Post , Canadian Post , China Post , Japanese Post , Korea Post , Netherlands Post , Planet Code , Postnet) , Plessey Code , PosiCode , QR Code , RSS Expanded , RSS Limited RSS-14 , TCIF Linked Code 39 , Telepen , Trioptic Code , UPC-A , UPC-E etc

RFID (Optional)

Frequency	13.56 MHz
Reading Distance	Within 30 mm
Protocol	ISO14443A/14443B/15693

Input/Output Ports

USB Port	1 (Micro USB port)
Charger Port	1 (Charging interface at the bottom)
Headset Port	1
OTG	Support

Accessories

Standard	Battery, Power adapter, Hand strap, Screen protector(PET), Bottom charging cable
Optional	USB cable, Single cradle, Charging cradle,4-slot device cradle, 4-slot battery cradle,Carry case (with wrist strap) Screen protector(composite),Q5000

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Main application areas:



Logistic



Retail



Warehousing



Public



HealthCare



Manufacturing

