unimes 优尼麦斯

i70

More durable and stable operation

Fast collection, making work more efficient

Equipped with latest industrial scanning engine, extreme accurate;
The acquisition process is optimized, and the scanning speed is fully improved;
Newly designed ergonomic scanning angle, synchronous scanning verification;
Fully supports NFC, RFID, GPS, HD camera and other data collection methods, collects data professionally, accurately and quickly.

Data transmission is more efficient and timely

Full Netcom 4G wireless communication, meet more complex scenarios using;
Dual band Wi-Fi, reduce network latency, ensure real-time data exchange;
transmission speed increased by 100%, the effective working distance can reach 300 meters.

Long-lasting battery life

5000 mAh safety battery, work at full capacity around the clock
Low power consumption chip and system optimization, high efficiency and lower consumption;
Fast charging technology, shorten the charging time by 40%

Support flexible and fast customization

Customized services for special scenarios:
button/housing/camera/Wi-Fi/RFID performance, etc.;

System Configuration

CPU	Quad-core 1.3 GHz
Operating System	Android 6.0
Memory	16GB + 2GB
Expansion Slot	Micro SD card, up to 32 GB
Display	4-inch, 800 x 480
Touch Panel	Industrial-grade capacitive panel (supporting operation with gloves)
Camera (optional)	8MP autofocus camera in the back side (13 MP optional), autofocus lens, LED flash
Exit Window	Corning Gorilla glass
Keypad	20 front keys, 4 side keys, Durable industrial IMD keypad with interior transmission light
Battery	3.8 V 5000 mAh rechargeable lithium polymer battery
Backup power	Optional
Audio	Built-in microphone/ Micro USB
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	Vibrating motor /G-Sensor/ Proximity sensor/Light sensor Geomagnetic/ Gyroscopes/G-Sensor/ Proximity sensor/ Light sensor/Geomagnetic

Structural Parameters

Dimensions (LxWxD)	159 mm×71 mm×20 mm
Weight	262 g (battery included)

Communication Transmission

Wireless WAN (Network frequency)	Asia& Europe: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8 CDMA BC0 TD-SCDMA: B34/B39 4G: FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE: B34/B38/B39/B40/B41 America: 2G:B2/B3/B5 3G:B1/B2/B4/B5 CDMA&EVDO:BC0/BC1(U.S.A) 4G:B1/B2/B3/B4/B5/B7/ B12/B17/B28A/B28B/B41 Asia & Europe: 2G: B2/B3/B8 3G: WCDMA: B1/B2 CDMA&EVDO: BC0 TD-SCDMA:B34/B39 4G: FDD-LTE: B1/B3/B7/B8/B20 TDD-LTE: B38/B39/B40/B41
Wireless WAN (Data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
Wireless LAN	Wi-Fi 802.11 a/b/g/n (Dual-band:2.4G+5G)
Bluetooth	Bluetooth 4.0
GPS	GPS/AGPS/BEIDOU/GLONASS

Operating Environment

Development Tools	Android SDK+JDK+Eclipse
Program Language	Java
Operating Temp.	-20℃ ~ 60℃ (-4°F ~ 140°F)
Storage Temp.	-40℃ ~ 60℃ (-40°F ~140°F) battery included -40℃ ~ 70℃ (-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

1D / 2D Area Imager

Scan Precision	3mil c39/128
Pitch Angle	±45°
Skew Tolerance	±65°
Scan Frequency	1 scan/ 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 60 mm / Within 10 mm
Protocol	ISO14443A/14443B/15693

Input/Output Ports

USB Port	1 (Micro USB port)
Charger Port	1

Accessories

Standard	Battery, Power adapter, Wrist strap, Hand strap, Bottom charging cable, USB cable
Optional	Single cradle, 4-slot cradle, 4-slot battery cradle, Carry case, Screen protector, Waist bag, Extended back clip，Bottom charging cable

Main application areas:

Logistic Retail Warehousing Public HealthCare Manufacturing

4G WiFi ⚹ NFC