



unimes
— 优尼麦斯 —

UK8

Industrial customized terminal Leading powerful success

Perfect combination of strength and lightness

IP68 protection, flagship protection grade, dust-proof and waterproof, supporting long-time operation at $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$, work normally in dust workshop and high temperature workshop

1.8m cement floor drop protection, 1000 times 1m drum drop, better protect the internal components from damage and high position
IMD wear-resistant keyboard, more than 2 million key life

Fearless DPM, 21.4m ultra far scanning

Lifelong warranty self-developed scanning engine. Easy to handle complex bar code, high scanning code of high-speed conveyor belt. Dealing with DPM easier and more efficient

Support a maximum scanning distance of 21.4m in large warehouses and high shelves. Saving working time and cost

Supports customized 25° one-dimensional scanning angle design. More convenient for operations requiring a certain scanning angle

Unimaginable endurance management

6700mah detachable super large battery, more power and easily meet 2 shifts
Support hot swapping and battery replacement. No need to shut down and restart when replacing the battery, and the data work is continuously connected

Support up to 18W fast charging design, with fast charging speed and short time consumption, which can speed up the operation progress



System Configuration

CPU	MTK Octa-core 2.0GHz high-performance Processor
Operating System	Android 11.0
Memory	3G RAM+32G ROM (Optional 2+16/4+64/6+128)
Expansion Slot	Micro SD card (up to 256G) Double Nano SIM card
Display	4" IPS HD Retina Screen with Resolution of 800*480
Touch Panel	Industrial-grade capacitive panel, Multi-touch support (supporting operation with gloves, wet hand)
Camera	Rear camera 13MP, PDAF Front camera 5MP
Flashing light	800mA high brightness flash
Battery	Detachable 3.85V, 6700mAh lithium battery Supports hot-swap battery replacement
Charging	Type-C and bottom clamp, Supporting 9V/2A, 5V/3A, 5V/2A charging
Keypad	Side: 2* Scan key, 1* PPT key, 2* Volume key Optional: Front numbers (29 keys), functional numbers (38 keys), alphanumeric numbers (47 keys)
Audio	Built-in dual microphone (noise reduction microphone)
Notification	High power horn/Three-side scanning prompt LED Charging prompt LED/Vibration prompt
Vibration Motor	Built-in programmable vibration motor
Sensor	G-sensor, proximity sensor, light sensor
Intercom	One-touch PTT call support (optional)

Structural Parameters

Dimensions (LxWxD)	205mm*76mm*31mm
Weight	440g (including battery)

Communication Transmission

Wireless WAN (Network frequency)	Domestic & Eurasian version 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 North American version 2G: B2/B3/B5 3G: B1/B2/B4/B5, CDMA BC0/BC1(The United States) 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 802.11a/b/g/n/r/ac WIFI 5G Amplifier (Dual-band:2.4G+5G)
Bluetooth	Bluetooth 5.0 LE
GPS	GPS/AGPS/BEIDOU/GLONASS/Galileo/QZSS

Main application areas:



Environmental Specifications

Development	Environment: Android, SDK +JDK +Eclipse Language: Java
Operation Temp.	-20°C ~ 60°C
Storage Temp.	-40°C ~ 70°C
Humidity	0 ~ 95% (non-condensing)
Drop	Multiple falls on 1.8m concrete
Rolling resistance	1000 rounds 1 m roll (equivalent to 2000 impacts)
Protection level	IP68
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)

2D Area Imager

Optical Resolution	≥3 mil
Scan Angle	Omnidirectional
Scan Speed	300 scans/sec.

NFC

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

Input/Output Ports

USB Port	Type-C, with headset
Charging port	8pin charging port
OTG	Support

Accessories

Standard	USB cable, power adapter, Hand&Elastic-strap
Optional	Pistol grip, Pistol grip (with battery), Single cradle Bottom charging cable, Carry case 4-slot device cradle, 4-slot battery cradle,

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