



unimes
— 优尼麦斯 —

UK1

Built for complex scenarios Smart data terminals supporting the whole industry

High-speed barcode scanning

Fast scanning: 50% faster decoding

Long-lasting scanning: AI intelligent dimming & power saving mode

Long distance scanning: ultra wide reading range

Great WIFI upgrade

True 5G wifi, fast roaming as standard, stable link, zero latency, no disconnection

High performance 5G PA amplifier for faster transmission rate ratios in complex environments

Unrivalled durability

Android 9.0 + with 4400mAh + QC3.0/9V2A(18W) fast charging technology, Bluetooth 5.0, more advanced. Easily endures all day long

IP65 protection + 1.5m drop test, dustproof and waterproof, face up to difficult scenarios with a safe, durable and truly reliable enterprise PDA

Ergonomic grip design

Large 4" ips HD screen + IMD wear-resistant full keyboard combination, comfortable grip, long-lasting grip without fatigue

Ergonomic design with 22 function keys on the front + three scanning cases on the front/side for user-friendly operation



System Configuration

CPU	MTK Octa-core 2.0GHz High-end processor
Operating System	Android 9.0
Memory	2G RAM+16G ROM (Optional 3+32/4+64/6+128)
Expansion Slot	Micro SD card
Display	4" 800*480 Capacitive HD IPS LCD
Touch Panel	Industrial-grade capacitive panel, Multi-touch support (supporting operation with gloves)
Camera	Rear camera: 8/13 megapixels, PDAF, video support 800mA high brightness flash
Battery	Removable 3.8V 4400mAH Li-polymer battery
Keypad	IMD anti-wear 26-key, industrial grade backlit keyboard
Scanning window	Mitsubishi Laminates
Audio	Built-in microphone/ Type-C
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	G-Sensor/ Proximity sensor/Light sensor/Geomagnetic Gyroscopes/Electronic compass

Structural Parameters

Dimensions (LxWxD)	168mm×71mm×26mm
Weight	270 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/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	IEEE 802.11 a/b/g/n/r/ac WIFI and Bluetooth coexistence (Dual-band:2.4G+5G)
Bluetooth	Bluetooth 5.0 LE
GPS	GPS/AGPS/BEIDOU/GLONASS/Galileo/QZSS Target SNR≥39dB (Signal level-130dBm)

Main application areas:



Environmental Specifications

Development	Environment: Android SDK +JDK +Eclipse Language: Java
Operation Temp.	-20°C ~ 60°C
Storage Temp.	-40°C ~ 60°C battery included -40°C ~ 70°C battery not included
Humidity	0 ~ 95% (non-condensing)
Drop	All sides can withstand drops to concrete floor from a height of 1.5m
Rolling resistance	Achieves 1000 rolls within 1m (impact)
Protection level	IP65
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	30mm
Protocol	NFCIP-1 and NFCIP-2, ISO/IEC 14443A/B, ISO/IEC 15693, MIFARE and FeliCa

Input/Output Ports

USB Port	1*Industrial grade TYPE-C, 2*Pin
Charging port	Type-c headset support
OTG	Support

Accessories

Standard	Power adapter, Lithium battery, USB cable, Carrying strap, lanyard, bottom charging clip
Optional	Pistol grip, Charging base, Quadruplex charger

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