



**unimes**  
— 优尼麦斯 —

**U52**

## Mini size, mutple uses

### Enterprise-level performance configuration

Enterprise-level Android platform, supporting free customization and matching APP applications in various commercial scenarios  
Quad-core 1.8GHz high-performance processor, 8/16GB ROM + 1/2GB RAM  
large-capacity storage, smooth operation without lag

### Comprehensive data collection function

Equipped with industrial-class scanning engine, reading 1D/2D code in extreme speed, and easily coping with various inventory scenes  
Equipped with RFID module which reads up to 50 electronic tags per second within the effective range

### High-speed and stable data transmission

Enterprise-class Wi-fi data communication, ensures fast and seamless roaming of equipment in high-frequency high-speed network environment  
Supporting Bluetooth communication, low power consumption, fast connection

### Lightweight, reliable and durable

Slim design, weighing only 160g, easier to carry around and longtime use  
equipped with 2700mAh large capacity battery, meeting continuous operation for 10 hours

Robust and reliable, meeting the drop standard of 1.5 meters high to the concrete floor



# U52 Specification



## System Configuration

CPU	Quad Core, 1.8GHz, 12nm
OS	Android 10
Memory	8GB + 1GB 16GB + 2GB
Speaker	Min 90db at 10cm-1KHz Voice
SIM/eSIM	nano SIM, eSIM(option version)
Display screen	2.8 inch LCD, QVGA,IPS
Touch	GFF Captive Touch, Dragontrail Glass
Camera	Auto focus 8Mega, with flash LED
Keypad	0-9 Numeric Key, Mode Switch Key, Direction Key, Scan Key Left and right Scan Key, Power Key
Battery	2700mAh, non-removable 4500-4700mAh, non-removable, RFID version
Operation Duration	12 hours (Scan Every Nine Seconds,Connect WIFI, Insert SIM Card,The Screen Is Always On)
PC Communication	USB 2.0 OTG : Type-C; Support TYPE-C Headset
Charging Time	<3 hours(Room Temperature)

## Physical Specifications

Dimension	150mm Lx 50mm Wx 17mm D
Weight	170g

## Wireless Connectivity

WWAN	TDD-LTE (B38/B39/B40/B41) FDD-LTE (B1/B3/B7/B8/B20) UMTS/HSDPA/HSPA/HSPA+ (900/2100 MHz) GSM/EDGE/GPRS (900/1800MHz)
GPS	GPS/A-GPS, GLONASS, Beidou, Galileo
WLAN	802.11 ac/a/b/g/n
WPAN	BT 5/BLE

## Input/output interface

USB Port	USB Type-C
Charging IO	USB Type-C, Charging Pad

## Environmental Specifications

Operation Temp.	-20°C ~ 50°C
Storage Temp.	-30°C ~ 70°C
Humidity	10% ~ 90%
Drop	1.2m
Protection level	IP54
ESD	±8kV Contact, ±15kV Air
Keypad lifecycle	300K

## Data Collection

Scan Engine	E3200-LE/E3250
Temperature Measurement	Melexis MLX9061 (Medical-grade) ±0.2°C error (specific version)
RFID(RFID version)	1m to 3m distance independent 2000mAh battery
NFC (2.0 version)	13.56MHz NFC

## Accessories

Charging Cradle	Support independent device or RFID charging
Handstrap	Nylon
Rubber Boot	Yes

## Gift Box

Gift Box	Device, QSG, Adapter, USB cable, Rubber Boot
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## Main application areas:



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