



# U2

## Industrial Handheld Terminal



### Unimes U2

Unimes U2 is an industry leading handheld terminal perfectly integrates Android OS and 4G wireless communication technology. It helps users implement mobile application quickly and easily and win through the fierce competition.

### Advanced configuration

Android 6.0 operating system for more compatibility and better user experience;  
 Quad-core 1.3 GHz and 16GB ROM + 2GB RAM memory for higher running speed;  
 High performance 650MHz ARM MALI-T720 MP2 GPU, with better screen display effect.

### Industrial-grade capacitive touch panel

Industrial-grade capacitive touch panel for easy operation and higher flexibility;  
 Meeting the requirements for mobile operation in complex environments such as low temperature and field;  
 Equipped with a 3.5-inch HD display screen with higher resolution (960 x 640 pixels).

### Rugged, And light

Meeting IP65 protection grade and 1.5-meter drop standard on cement, durable and reliable, U2 weighs only 255g.

### Powerful data collection

Equipped with advanced scanning engines to read not only 1D/2D barcodes normally printed on traditional media, stained, or covered with plastic film but also barcodes displayed on mobile phones and computer screens;  
 Exit window made of Corning Gorilla glass for a better scratch-resistance, a higher light transmittance, and more quick and accurate scanning;  
 Equipped with built-in RFID read/write modules to quickly and accurately read RFID tags in batches.

### Multiple wireless communication modes

Supporting TDD-LTE/FDD-LTE/WCDMA/ GPRS/HSPA+/GSM in a wireless wide area network (WAN) and other wireless communication modes;  
 Supporting Wi-Fi transmission in a local area network (LAN);  
 Supporting NFC transmission, convenient pairing;  
 Supporting bluetooth communication;  
 Supporting a high-performance GPS navigation chip for more accurate positioning.

### Fast charging scheme

Supporting fast charging scheme for higher work efficiency;  
 Adopting a 3.7V 4000 mAh rechargeable lithium polymer battery (6000 mAh battery optional) for long time mobile operation

## Technical Specifications

### Performance Parameter

Operating system	Android 6.0
Processor	Quad-core 1.3 GHz
Memory	16GB+2GB
Extended slot	Micro SD card, up to 32 GB

### Physical Parameter

SIM interface	1 SIM slot
Display screen	Corning®Gorilla®glass 3.5 inch,640 x 960
Touch Panel	Industrial-grade capacitive touch panel
camera: (optional)	8 MP autofocus lens, LED flash
Battery	3.7 V 4000 mAh rechargeable lithium polymer battery(6000mAh optional)
Dimensions	152 mm x 68 mm x 24 mm
Weight	255g (battery included)
Key	22 front keys, 4 side keys,durable industrial keypad with interior transmission light
Audio	Built-in microphone
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	G-Sensor
Fingerprint module	No support

### Operating Environment

Working Temp	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temp	-40°C ~ 60°C (-40°F to 140°F) battery included
	-40 °C~ 70°C (-40°F to 158°F) battery not included
Electrostatic	±15kV air discharge, ±8kV direct discharge
Relative humidity	0 ~ 95%(non-condensing)
Protection grade	IP65 grade
Anti-dropping	1.5-meter drops to concrete ground
Development Tools	Android SDK + JDK + Eclipse
Programming	Java.C
Language	

### Communication Transmission

Wireless LAN	Wi-Fi 802.11a/b/g/n
Bluetooth	Bluetooth 4.0+LE
GPS	GPS/AGPS/GIONASS/BEIDOU
Wireless WAN	2G: B2/B3/B5/B8
(Network frequency)	3G: WCDMA B1 CDMA&EVDO:BC0

	TD-SCDMA:B34/B39 4G:FDD-LTE: B1/B3/B5 TDD-LTE: B38/B39/B40/B41
Wireless WAN Data service	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+ EVDO /WCDMA /TD-SCDMA/TDD-LTE

### 1D Laser Scanner

Scan Resolution	≥4 mil
Scan Depth of Field	3.81 cm - 60.98 cm
Scan Angle	47° ± 3° (Standard)
Scan Speed	102 ± 12 scans/sec. (Bidirectional)

### ID/2D Area Imager

Scan Resolution	≥3 mil
Rotate Angle	Omnidirectional
Scan Frequency	300 scans / sec
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.

### NFC (optional)

Protocol	ISO14443A/14443B/15693
Frequency	13.56MHz
Reading Distance	Within 50 mm

### Input/Output Ports

USB Port	1 Micro USB Port
Charge Port	1 Charging interface at the bottom
OTG	Support

### Accessories

Standard	Battery,Power adapter,USB cable,
Optional	Bottom charging cable,Charging cradle,4-slot battery cradle,Carry case,Screen protector,Waist bag,Extended battery

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