



U1 Industrial Handheld Terminal



Unimes U1

A price-effective handheld mobile terminal, enabling enterprises to quickly achieve mobile operations with less investment

Superelevation configuration

Android 6.0 operation system, with strong compatibility, overall improvement of running speed and more humanized UI interface;

Quad core 1.3 GHz high performance processor, 8GB ROM + 1GB RAM memory, faster operation.

Industrial capacitive touch screen

Industrial capacitance touch screen makes operation more convenient and user experience more fluent;

The display adopts 3.5-inch TFT high brightness LED backlight display with resolution of HVGA (480 × 320 pixels) and wide viewing angle.

Multiple wireless communications

Support wireless WAN communication mode;

Support WiFi LAN transmission;

Support Bluetooth 4.0 short distance data transmission;

Support high-performance GPS / AGPs / Beidou / GLONASS navigation chip, more accurate positioning.

Super data collection

Equipped with advanced scanning engine, it can not only read 1D/2D bar codes printed normally on traditional media, or defaced, or covered with plastic film, but also easily read bar codes displayed on mobile phones and computer screens;

The scanning window glass is made of Corning® gorilla® (Corning) super scratch resistant high-permeability glass, with higher light transmittance and faster scanning accuracy;

Built in RFID reading and writing module can read RFID tags quickly, accurately and in batches.

Durable

The shell is made of Ge PC engineering plastics by one-time injection molding;

The protection level is up to IP65, completely dust-proof and water spray resistant;

Meet the drop test standard of 1.5m and the rolling test standard of 500 times from 0.5m;

The key adopts IMD in mold overprint technology, which is scratch resistant, clearer, solvent resistant and long service life.

Technical Specifications

Performance Parameter

Operating system	Android 6.0
Processor	1.3GHz quad-core processor
Memory	1G RAM+8G ROM
Extended slot	Mini SD card, up to 32 GB, Micro SD slot

Physical Parameter

SIM interface	1 SIM card slot
Display screen	Corning®Gorilla®glass 3.5 inch,320 x 480 resolution TFT LCD, LED backlight
Battery	3.7 V 4000 mAh rechargeable lithium polymer battery
Dimensions	152 mm x 68 mm x 24 mm
Weight	255g (battery included)
Key	1 power key, 2 side scanning keys
Audio	Built-in microphone
Notification	Vibrator alerts/LED/Audio notification
Interface	1 Micro USB port,1 Charger Port
Vibration Motor	Built-in programmable vibration motor

Operating Environment

Working Temp	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temp	-40°C ~ 60°C (-40°F ~ 140°F) battery included
	-40°C ~ 70°C (-40°F ~ 158°F) non-battery
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 Language	Java C

Communication Data Parameter

Wireless LAN	Wi-Fi 802.11a/b/g/n
Bluetooth	Bluetooth 4.0

GPS	GPS/AGPS/Glonass/Beidou
Wireless WAN (Network frequency)	2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8 CDMA BC0 TD-SCDMA:B34/B39 4G:FDD-LTE: B1/B3/B5 TDD-LTE: B38/B39/B40/B41

ID/2D Area Imager

Scan Precision	≥3mil
Rotating angle	360°
Pitch Angle	47°±3°
Skew Tolerance	±65°
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.

Image acquisition

Camera: (optional)	8 MP/5 MP Auto focus,LED flash
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NFC

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

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