

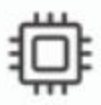
# U8100

**Smart  
and  
Durable**

**Rugged Industrial Tablet**



Unimes 8100 8.0" rugged industrial tablet suit for all kinds of application, included banking, manufacturing, aviation, warehouse, and all you can imagine.



Octa-core



4GB RAM+  
64GB ROM



QC Ready



Android 9.0 Pie



8 Inch Giant Screen



Dual Stereo Speakers



WW LTE Supported



Dual-Band WIFI +  
Seamless Roaming

### Expand your vision with giant screen

8-inch air bonding TFT color screen shows giant display area and give you all information at a glance. Optional electromagnetic resonance touch panel, support specific digital signature for high security banking requirement.

### Embedded scan engine, incredible scann experience

Build-in 1D/ 2D barcode scan engine make high speed and accurate data collection possible. Whether your barcode is defaced, twisted, or folded, all new error correction algorithm can automatically adapt.

### Replaceable large capacity battery

8400mAh Li-ion battery supported extremely long battery lasting time. Replaceable and quick change design allow U8100 always ready for any challenge anytime, anywhere and any place.

### More ruggedize, more endurable

Water resistance and 1.2m dropping resistance, endurable under heavy duty.

### More accessories, More possibilities

#### Optical fingerprint module

Optical fingerprint module with a large collection sensor. Dual certification of FAP20 and PIV supports specific professional data format application.

#### RTK position system

RTK high precision position system, can detect 0.01m accuracy, suit for specific marketing surveying and mapping application requirement.

#### Various accessories

Optional cradle, Ethernet cradle, vehicle mounted bracket, wrist strap, rubber protective cover, and wall mount stand. Provide thoughtful flexibility for various scenarios.



# U8100 SPECIFICATIONS

## PERFORMANCE CHARACTERISTICS

O.S.	Android 9 Pie with GMS(Google Market Service) Unimes Home: FeatureSet, U-Setting, ScanWidget, Autoinstall, AppMarket, UMS.
CPU	Octa-core Cortex-A53, 1.8 GHz
Memory	4GB RAM / 64GB ROM
Extended memory	Micro SD card, up to 256GB

## BASIC SPECIFICATIONS

Display	8 inch display, 1920×1200 (FHD) 8 inch display, 1280×800 (HD) (optional) 8 inch electromagnetic display ,1920×1200 (FHD) (optional)
Touch panel	Capacitive: Multiple touch screen, support gloves, wet finger and passive stylus. Electromagnetic (optional): Multiple touch screen, support gloves, wet finger and passive stylus signature
Dimensions	253.8*146*16.5mm (10.0*5.7*0.6 inch)
Weight	728.5g (25.7oz.)
Main battery	Capacity: 3.8V8400mAh Battery life: 8-10h (depends on environment and use case)
Charging time	<4 hours (with QC3.0 adapter) (room Temperature)
Audio	Dual-speakers, Dual microphones, audio jack
Buttons	Vol+/-, power key, scan key, P1~P8 function key Vol+/-, power key, scan key (Fingerprint model)
Sensors	Light sensor, accelerator sensor, geomagnetic sensor, gyro sensor
Fingerprint	FBI/PIV certified optical fingerprint module
Slots	Micro SD/TFx1、Nano- SIMx2, PSAMx1
I/O	USB type C, POGO pin

## ENVIRONMENT

Temperature	-20°C ~ +60°C
Storage	-40°C ~ +70°C
Humidity	5%RH ~ 95%RH (no condensation)
Drop test	1.2 meters
Seal	IP67 (without fingerprint) IP54 (with fingerprint)
ESD	Air ±15KV, Contact ±8KV

## DATA CAPTURE

Camera	Front 5M Pixels, Rear 13M Pixels, Flashlight
Scanning	1D/2D barcode reader Can read all international standards1D/2D barcode; Can read barcode displayed on screens and colored barcode
NFC	ISO 14443 Type A and B; FeliCa/Mifare and ISO 15693 cards; Reader mode, P2P mode, Card Emulation mode Apple Enhanced Contactless Polling(ECP)

## WIRELESS WAN DATA

4G	TD-LTE(B34/B38/B39/B40/B41) FDD-LTE(B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B19/ B20/B25/B26/B28A/B28B/B66)
3G	WCDMA(B1/B2/B4/B5/B8) TD-SCDMA(B34/B39) CDMA2000 1x EV-DO Rev.A BC0 (800MHz)
2G	CDMA1x GSM/EDGE/GPRS(850/900/1800/1900)
GPS	GPS、A-GPS、BEIDOU、GLONASS、Galileo High-precision RTK(Precision0.01m)(Optional)

## WIRELESS LAN

WiFi	IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w
Working Channels	2.4G: CH1~CH13 (Depends on Country/Region) 5G: 36/38/40/42/44/46/48/52/56/60/64/100/104/108/ 112/116/120/124/128/132/136/140/149/153/157/161/ 165 (Depends on Country/Region)
Security	EAP-TLS, EAP-TTLS, PEAP-MSCHAPv2, PEAP-TLS, PEAP-GTC, PWD, SIM, AKA WEP , WPA/WPA2-PSK, WAPI certificate, WAPI-PSK
Roaming	Support PMKID caching, 802.11r, OKC

## WIRELESS PAN

Bluetooth	BT4.2+BR/EDR+BLE
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## OPTIONAL ACCESSORIES

Single cradle (with battery), Ethernet cradle, wrist strap, protective cover, wall mount stand.



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