



U5

Industrial Handheld Terminal



Unimes U5

Is an Android rugged mobile computer which has perfect balance of large screen and single handed operation; More stabilized high speed data collection and transmission; Whole performance and superb cost performance balance.

Highlight 4-inch large screen

Equipped with 4-inch(800* 480 resolution) super definition screen and full digital keyboard. The touch screen adopts an industrial super sensitive capacitor screen, support operating with gloves, wet/dry hands. Achieve the best experience of large screen and single handed operation.

Extremely speedy data collection

The latest industry-level scanning engine ensures high sensitivity and accuracy; Streamlined systematic data collection process results in an increased scanning speed;

Effectively reduce wrist motions and fatigue, scanning and verification can be done in one step thanks to the new design of ergonomic scanning angle.

Data collection with NFC, GPS positioning, high-definition camera or by other means is supported, so as to enable professional, precise and efficient collection of business data.

More efficient and timely data transmission

Seamless network selection and connection according to needs with 4G wireless communication supported by all network operators helps to realize more efficient business data connection and communication;

Dual-band Wi-Fi technology, enable free switch and transmission between two channel frequencies, and make the signal stronger and more stable;

Bluetooth 4.0 transmission technology features low power consumption and fast connection, perfectly matched with mainstream portable printers.

Long-life battery supporting full-day operations

5000mAh Li-polymer safe battery is used to support full-loaded operations;

The use of low-energy-consuming Chipset and optimized system result in more efficient and less energy-consuming operations;

Fast recharging technology is adopted to shorten the recharging time by 40% and further extend the battery life.

Support flexible and fast customization

Customizable button/shell/camera/Wi-Fi/RFID performance, etc. for customizable scenarios;

Optional extended back clips on the back for ID/NFC/RFID.

Technical Specifications

Performance Parameter

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

Physical Parameter

SIM interface	1 SIM slot
Display screen	Corning®Gorilla®glass 4 inch,800 x 480
Touch Panel	Industrial-grade capacitive touch panel
camera: (optional)	8 MP autofocus camera in the back side, autofocus lens, LED flash
Battery	3.8 V 5000 mAh rechargeable lithium polymer battery
Dimensions	159 mm x 71 mm x 20 mm
Weight	262g (battery included)
Key	20 front keys, 4 side keys,durable industrial IMD keypad with interior transmission light
Audio	Built-in microphone /Micro USB
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	G-Sensor/Proximity sensor/Light sensor/Geomagnetic
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 Language	Java

Communication Transmission

Wireless LAN	Wi-Fi 802.11a/b/g/n(DUAL-BAND:2.4G+5G)
Bluetooth	Bluetooth 4.0+EDR, Supporting BLE
GPS	GPS/AGPS/GIONASS/BEIDOU
Wireless WAN	2G:WCDMA B2/B3/B8

(Network frequency)	3G: WCDMA B1/B2 CDMA&EVDO:BC0 TD-SCDMA:B34/B39 4G:FDD-LTE: B1/B3/B7/B8/B20 TDD-LTE: B38/B39/B40/B41
---------------------	---

Wireless WAN Data service	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+EVDO /WCDMA /TD-SCDMA/TDD-LTE/FDD-LTE
---------------------------	---

1D Laser Scanner

Scan Resolution	≥5 mil
Rotate Angle	± 35°
Pitch Angle	± 65°
Skew Tolerance	± 50°
Ambient Light	Sunlight:10,000ft.Candles(107,640Lux) Artificial Light:450ft.Candles(4844Lux)
Scan Frequency	104 ± 12/sec
Laser Safety Grade	Class II

ID/2D Area Imager

Scan Resolution	3 mil c39/128
Rotate Angle	Omnidirectional
Pitch Angle	±45°
Skew Tolerance	±65°
Scan Frequency	1 scans / 50ms
Laser Safety Grade	Class II
Image Resolution	844(H) X 640(V)
Image Frame	60fps
Light Source System	White light,laser aiming
Minimum Printing Contrast	20%

NFC

Protocol	ISO14443A/14443B/15693
Frequency	13.56MHz
Reading Distance	Within 10 mm

Input/Output Ports

USB Port	1 Micro USB Port
Charge Port	1

Accessories

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