

iData 50UHF mobile computer



➤ **Faster, more stable data radio transmission**

- ◆ **All network 4G** Leading support all network, 4G radio communication in the industry, provides a faster data transmission speed for enterprise mobile application, connection at anytime and anywhere to make mobile working more convenient.
- ◆ **5G Wi-Fi** support 5G Wi-Fi transmission technology, switching dual frequency that solves problems of congestion, conflict, interference, and makes signal more stable and data transmission speed faster.

➤ **More powerful, high efficient data collection**

- ◆ **Excellent ultra frequency RFID read/write** with high performance UHF read/write module and high sensitive antenna, read/write distance can be up to more than 10M, tag recognized ratio ≥ 200 tags/s.
- ◆ **Equipped with most powerful barcode scanning engine in the industry**, supports professional data auto-recognition and data collection which uses GPS, camera etc., helps users to collection onsite business data accurately and rapidly.
- ◆ **More easily , more portable**

- ♦ **4.7 inch all sight high resolution touch screen, high efficient work** 4.7 inch—perfect size for single hand operation; super high resolution screen, 1280*720 resolution; The touch screen adopts an industrial super sensitive capacitor screen, support operating with gloves, wet/dry hands.
- ♦ **Advanced Android OS + high speed 4core CPU** based on advanced Android 6.0 operating system, equipped with latest and fastest 4 core CPU, makes operation smoother and running speed faster.
- ♦ **Chargeable dual battery system** use chargeable polymer lithium battery system, big capacity, PDA internal battery 3300 mAh with grip battery 5200 mAh, can work for more than 12 hours with grip battery on, make sure all weather working normally.
- ♦ **Flexible dismount/assembly drawing structure. Device, handle, components can be purchased separately.**

System configuration

CPU	Quad-core 1.25 GHz high performance CPU
OS	Android 6.0
Storage	16 GB ROM+2 GB RAM
Extended slot	Micro SD card (can extend to 32G)
Screen	4.7 inch , 1280 x 720 high resolution LCD
Touch screen	Industrial capacitive touch screen (support operating with gloves)
Camera(Optional)	Rear 8 megapixels, auto focus, LED lighting
Scanning window glass	Corning® Gorilla®glass (Corning)
Keyboard	Front side 4 keys, flank 4 keys, battery key (can be set as customized key)
Battery	3.7 V 3300 mAh lithium polymer battery(PDA) + 3.7V 5200 mAh(handle)
Audio	Built-in Microphone/earphone interface
Indicator	Vibration indicator/LED indicator/Audio indicator
Vibrate motor	Build-in vibrate motor
Sensor	G-Sensor (gravity sensor)

Structure parameter

Size (LxWxD)	PDA:150 mm x 73.5 mm x 16 mm (head 24mm thick) PDA + handle : 175mm x 75mm x 165mm
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Weight	PDA (include battery) + handle (with RFID) 750g
	PDA (include battery) + handle (without RFID) 530g

Communication

WWAN (Network frequency)	Europe: GSM - Quad band support (Band 5/8/3/2) UMTS/HSPA + Primary bands 1/8. Roaming bands 2/5. LTE Bands 1/3/7/8/20
WWAN (Data business)	GPRS/EDGE/ CDMA2000 1x/ EVDO /HSPA+/TDD-LTE/FDD-LTE
WLAN	Wi-Fi 802.11a/b/g/n (dual-band : 2.4G+5G)
Bluetooth	Bluetooth 4.0
GPS	High performance GPS/AGPS navigation chip

Operating environment

Development tool	Android SDK+ JDK+Eclipse
Support language	Java
Working temperature	-10°C ~ 50°C (14°F ~122°F)
Store temperature	-20°C ~ 60°C (-4°F ~140°F)
Humidity	0 ~ 95% (No condensation)
Fall down specification	Endurable for falling down from 1.2m height to the cement concrete ground many times
Protection grade	IP65
electrostatic discharge	±15 kV air discharge , ±8 kV direct discharge

1D laser scanning engine

Scanning accuracy	5mil
Rotate sight	±35°
Up-dip angle of view	±65°
Left-right deviation Angle	±50°
Light	Sun: 10,000ft. Candles (107,640Lux)
	Artificial: 450ft. Candles (4,844Lux)
Scanning frequency	104±12 times/second
Laser security grade	Class II

Support barcode	UPC/EAN , POST , Code 128 , Code 39 , Code 93 , Code 11 , Codabar , Interleaved 2 of 5 , Discrete 2 of 5 , Chinese 2 of 5 , MSI , RSSI etc.
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1D/2D video scanning engine

Scanning accuracy	3mil c39/128
Rotate sight	360°
Up-dip angle of view	±45°
Left-right deviation Angle	±65°
Scanning frequency	50ms
Laser security grade	Class II
Image resolution	844(H)×640(V)
Image frame rate	60fps
Illumination system	White light, laser aiming
Minimum print contrast	20%
Support barcode	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

RFID (Optional)

Frequency	840-960MHz (Customize according to required band)
Communication protocol	ISO18000-6C/6B, EPC C1 Gen2
Antenna gain	3dBi circularly polarized antenna
Output power	10-30dbm adjustable
Recognition distance	6m-7m (depends on different labels)

Input/output interface

USB interface	1 (Micro USB interface)
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Charging interface	1
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Accessories

Standard accessories	PDA battery , charge stand , battery adapter , Micro USB cable , handle connection test cable
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**WUXI IDATA TECHNOLOGY COMPANY LTD.**

11 floor, B1 building, National sensor information center,

No. 999 Gaolang east road, Wuxi

E-mail : idata@idatachina.com

Fax : 0510-85622256

Website : www.idatachina.com/en