

iData 50UHF mobile computer

Flexible disassembly structure, distance changing depends on the scene

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

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
Operating System	Android 6.0
Memory	16 GB ROM+2 GB RAM
Expansion Slot	Micro SD card (can extend to 32G)
Screen	4.7 inch, 1280 x 720 high resolution LCD
Touch Panel	Industrial capacitive touch screen (support operating with gloves)
Camera (Optional)	Rear 8 megapixels, auto focus, LED lighting
Scanning window glass	Corning® Gorilla® glass
Keypad	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
Vibration Motor	Built-in vibrate motor
Sensor	G-Sensor (gravity sensor)

Structural Parameters

Dimensions	PDA 150x73.5x16 mm (head 24mm thick) PDA + handle 175x75x165 mm
Weight	PDA (include battery) + handle (with RFID) 750g PDA (include battery) + handle (without RFID) 530g

Operating Environment

Development Tools	Android SDK+ JDK+Eclipse
Programming Language	Java
Operating Temp	-10°C ~ 50°C (14°F ~122°F)
Storage Temp	-20°C ~ 60°C (-4°F ~140°F)
Relative Humidity	0 ~ 95% (No condensation)
Drop Specification	Endurable for falling down from 1.2 m height to the cement concrete ground many times
Protection grade	IP65
Electrostatic Discharge	15 kV air discharge, 8 kV direct discharge

Communication Transmission

WWAN	Europe: GSM - Quad band support (Band 5/8/3/2) UMTS/
(Network frequency)	HSPA + Primary bands 1/8. Roaming bands 2/5. LTE Bands 1/3/7/8/20
WWAN	GPRS/EDGE/ CDMA2000 1x/ EVDO /HSPA+/
(Data business)	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

Accessories

Standard	Power adapter, 3-in-1 charge stand
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Input/Output Ports

USB interface	1 (Micro USB interface)
Charging interface	1

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	10m (depends on different labels)

1D Laser Scanner

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, Coda bar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSSI etc.

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)x640(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

Applications:

