iData®

iData 50 Large Screen Mobile Computer

4G (TD-LTE/FDD-LTE), 5G Wi-Fi

➢ Faster and more stable wireless data transmission.

- **4G network (TD-LTE/FDD-LTE)** It provides 4G network for faster data transmission on mobile applications.
- **5G Wi-Fi**   It provides 5G Wi-Fi to increase transmission rate by 300% with dual transmission switch to solve congestion, conflict and interference problems.

➢ More powerful and efficient data collection.

- **It supports the most powerful barcode scan engine, NFC, GPS, camera and the other AIDC methods to improve accuracy and speed of data collection.**

➢ It is easier to be used and more portable.

- **4.7-inch HD screen with full viewing angle and touch panel to make work efficient** Suitable for one hand operation with ultra-high-definition display of 1280*720 resolution. The touch screen uses industrial-grade ultra-sensitive capacitive screen to support gloves and wet hand operation.
- **Advanced Android OS + Quad-core CPU** It has Android 5.1 operating system with quad-core processor to provide top speed operation platform.
- **It is very portable to make work easier** It weighs only 230g including the battery, which makes it the most portable device in the industry. It can be easily kept in a pocket and be used for long time without fatigue with its ergonomic design.

iData, high performance and high reliability.

System Configuration

CPU	High-performance quad-core 1.3 GHz processor
Operating System	Android 5.1
Memory	8 GB ROM+1 GB RAM
Expansion Slot	Micro SD card, up to 32 GB
Display	4.7inch, 1280 x 720 High resolution
Touch Panel	Industrial-grade capacitive touch panel (supporting operation with gloves)
Camera (optional)	8 MXP autofocus camera in the back side , autofocus lens, LED flash
Exit Window	Corning® Gorilla® glass
Keypad	4 front keys, 4 side keys , Power key
Battery	3.7 V 3600 mAh rechargeable lithium polymer battery
Fast Charging	Fast charging scheme
Audio	Built-in microphone /Micro USB/Headphone connector
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	G-Sensor

Structural Parameters

Dimensions (LxWxD)	150 mm×73.5 mm×16 mm (head 24mm thickness)
Weight	230 g (battery included)

Communication Transmission

Wireless WAN (Network frequency)	GSM: 850MHz/900MHz/1800MHz/1900MHz; CDMA2000: BC0（800MHz） TD-SCDMA: Band34/39; WCDMA: 850MHz/1900MHz/2100MHz TDD LTE: Band38/39/40/41; FDD LTE: Band1/3
Wireless WAN (Data service)	GPRS/EDGE/ CDMA2000 1x/ EVDO /HSPA+/TDD-LTE/FDD-LTE
Wireless LAN	Wi-Fi 802.11a/b/g/n (Dual-band Wi-Fi: 2.4G+5G)
Bluetooth	Bluetooth 4.0
GPS (optional)	Supporting GPS / AGPS/Glonass

Operating Environment

Development Tools	Android SDK+ JDK+Eclipse
Programming Language	Java
Operating Temp.	-10℃ ~ 50℃ (14℉ ~ 122℉)
Storage Temp.	-20℃ ~ 60℃ (-4℉ ~ 140℉)
Relative Humidity	0 ~ 95% (non-condensing)
Drop Specification	1.2-meter drops to concrete ground

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Sealing	IP65
Electrostatic Discharge	Conforms to ±15 kV air discharge, ±8 kV direct discharge

1D Laser Scanner

Optical Resolution	≥ 4 mil
Scan Depth of Field	3.81 cm - 60.98 cm
Scan Angle	47° ± 3° (Standard)
Scan Speed	102±12 scans/sec. (Bidirectional)

1D / 2D Area Imager

Optical Resolution	≥ 3 mil
Scan Angle	Omnidirectional
Scan Speed	300 scans/sec.

NFC （Optional）

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

Input/Output Ports

USB Port	1 (Micro USB port)
Charger Port	1 (Charging interface at the bottom)
Headset Port	1

Accessories

Standard	Battery, Charging stand, Hand strap
Optional	Power adapter, Bottom charging cable, 1-slot charging & communication stand

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