

iData 95W

The iData 95W is a new mobile computer developed by Wuxi iData Technology Company Ltd. for mobile field service. It is designed to connect your mobile workforce to the enterprise for real-time access to business information and data exchange.

Adopting Android 6.0 operating system, the iData 95W provides user friendly operation interface, supports versatile functions like 1D/2D barcode scanning, RFID tag reading, NFC, infrared communication modules, GPS, photographing, voice communication, and Wi-Fi, and is widely used in various fields, such as retail, manufacturing, fast moving consumer goods, clothing, food safety tracing, logistics, warehousing, governments and public utilities. Featuring high performance and high reliability, the iData 95W can help enterprises boost productivity and gain a higher return on investment.



Five strengths

● Advanced configuration

- Android 6.0 operating system for more compatibility and better user experience;
- High-performance quad-core 1.25 GHz processor and 16GB ROM + 2GB RAM memory for higher running speed;
- High performance 650MHz ARM MALI-T720 MP2 GPU, with better screen display effect.

● Industrial-grade capacitive touch panel

- Industrial-grade capacitive touch panel for easy operation and higher flexibility;
- Meeting the requirements for mobile operation in complex environments such as low temperature and field;
- Equipped with a 3.5-inch RETINA display screen with higher resolution (640 x 960 pixels).

● Powerful data collection

- Equipped with advanced scanning engines to read not only 1D/2D barcodes normally printed on traditional media, stained, or covered with plastic film but also barcodes displayed on mobile phones and computer screens;
- Exit window made of Corning® Gorilla® glass for a better scratch-resistance, a higher light transmittance, and more quick and accurate scanning;
- Equipped with built-in RFID read/write modules to quickly and accurately read RFID tags in batches.

● Multiple wireless communication modes

- Supporting TDD-LTE/FDD-LTE/WCDMA/ GPRS/HSPA+/GSM in a wireless wide area network (WAN) and other wireless communication modes;

- Supporting Wi-Fi transmission in a local area network (LAN);
 - Supporting NFC transmission, convenient pairing;
 - Supporting a high performance GPS navigation chip for more accurate positioning.
- **Fast charging scheme**
 - Supporting fast charging scheme for higher work efficiency;
 - Adopting a 3.7V 4000 mAh rechargeable lithium polymer battery (6000 mAh battery optional) for long time mobile operation.

Technical Specifications

● System Configuration

CPU	High-performance quad-core 1.3 GHz processor
Operating System	Android 6.0
Memory	16 GB ROM+2 GB RAM
Expansion Slot	Micro SD card, up to 32 GB
Display	3.5-inch RETINA display (640 x 960)
Touch Panel	Industrial-grade capacitive touch panel
Camera (optional)	8 Mega pixel, autofocus lens, LED flash
Exit Window	Corning® Gorilla® glass
Keypad	Durable industrial keypad with interior transmission light
Battery	3.7 V 4000 mAh rechargeable lithium polymer battery (6000 mAh battery optional)
Audio	Built-in microphone
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	Built-in G-sensor

● Operating Environment

Development Tools	Android SDK + JDK + Eclipse
Programming Language	Java, C
Management Tools	iData tools
Operating Temp.	-10°C to 50°C
Storage Temp.	-20°C to 60°C
Relative Humidity	0 to 95% (non-condensing)
Drop Specification	1.5-meter drops to concrete ground
Tumble Specification	500 0.5-m tumbles (1000 hits)
Sealing	IP65
Electrostatic Discharge	Conforms to ± 15 kV air discharge, ± 8 kV direct discharge

● Structural Parameters

Dimensions (LxWxD)	152 mm x 68 mm x 24 mm
Weight	255 g (standard battery included)

● Communication Transmission

Wireless WAN	4G: TDD-LTE: B38/B39/B40/B41; FDD-LTE: B1/B3/B5 3G: WCDMA: 2100MHz, EVDO 800 MHz, TD-SCDMA: B34/39 2G: GSM/GPRS: 850/900/1800/1900 MHz
Wireless LAN	Wi-Fi 802.11a/b/g/n
GPS	High performance GPS navigation chip

● Input/Output Ports

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

● 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 Linear Imager

Reading Mode	CCD
Reading Accuracy	≥ 4 mil
Decoding Speed	300 times/sec. (Max.)

● 2D Area Imager

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

● Infrared Communication Module

Built-in Infrared Communication Module	Structure with two emitting tubes, meter reading distance of up to 5 meters, fully supporting DL/T645 protocol and communication protocols of worldwide mainstream meter manufacturers
Interface	Initial rate: 1200 bps, supported rates: 1200, 2400, 4800, and 9600 bps

● RFID

Frequency	13.56 MHz
Reading Distance	Within 50 mm
Protocol	ISO14443A/14443B/15693
NFC	Optional

● Accessories

Standard	Battery, Hand strap, Wrist strap
----------	----------------------------------

Optional	Power adapter, USB cable, Bottom charging cable , Single cradle, 4-slot battery charger, Silicon case
----------	---



IDATA GLOBAL

Commercial HQ: Rm. 502, Sci.&Tech. Park Building, No.6, Keyuan Road,
Science and Technology Park, Shenzhen City, China

E-mail: sales@idataglobal.com

Website: www.idataglobal.com