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 operating system, the iData 95W provides user friendly operation interface, supports versatile functions like 1D/2D barcode scanning, 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;
  - ➢ Quad-core 1.3 GHz 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 HD display screen with higher resolution (960 x 640 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[1] Gorilla[1] 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 bluetooth communication;
  ➢ 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	Quad-core 1.3GHz
Operating System	Android 6.0
Memory	16 GB ROM+2 GB RAM
Expansion Slot	Micro SD card，up to 32GB
Display	3.5-inch HD display (960x640)
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	G-sensor

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- **Operating Environment**

Development Tools	Android SDK + JDK + Eclipse
Programming Language	Java, C
Operating Temp.	-20°C to 60°C (-4°F to 140°F)
Storage Temp.	-40°C ~ 60°C (-40°F ~140°F) battery included -40°C ~ 70°C (-40°F ~158°F) battery not included
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 ก 15 kV air discharge, ก 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 (Network frequency)	2G：B2/B3/B5/B8 3G：WCDMA：B1 CDMA&EVDO：BC0 TD-SCDMA：B34/B39 4G：FDD-LTE：B1/B3/B5 TDD-LTE：B38/B39/B40
Wireless WAN (Data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+EVDO/WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
Wireless LAN	Wi-Fi 802.11 a/b/g/n
Bluetooth	Bluetooth 4.0+LE
GPS	GPS/AGPS/BEIDOU/GLONASS

- **Input/Output Ports**

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

- **1D Laser Scanner**

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

- **1D/2D Area Imager**

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

- **Accessories**

Standard	Battery, Power adapter, Wrist strap, Hand strap
Optional	Bottom charging cable, USB cable, Charging cradle, 4-slot battery cradle, Screen protector, Carry case, Waist bag, Extended battery

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