iData 95V

iData 95V 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 4.4 operating system, the iData 95V provides user friendly operation interface, supports versatile functions like 1D/2D barcode scanning, RFID tag reading, infrared communication modules, photographing, GPS, voice communication, and Wi-Fi, NFC and is widely used in various fields, such as, logistics, retail management, meter reading, goods tracking, warehousing, meeting ticketing, and tracing management.

Five Strengths

● **Advanced configuration**
➢ Android 4.4 operating system for more compatibility and better user experience.
➢ High performance dual-core 1.0GHz processor and 8GB ROM+1GB RAM memory providing higher running speed.

● **Industrial-grade capacitive touch panel**
➢ Industrial-grade capacitive touch panel for easy operation and higher flexibility.
➢ Equipped with a 3.5-inch HVGA (320 x 480 pixels) display screen.

● **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 multiple wireless communication modes such as WCDMA, GPRS and GSM in a wide area network (WAN).
➢ Supporting Wi-Fi transmission in a local area network (LAN).
➢ Supporting a high performance GPS/AGPS navigation chip for more accurate positioning.

● **Rugged and reliable mobile computer**
➢ Shell molded at one step using PC engineering plastics of General Electric Company.
➢ Meeting IP65 sealing standard for superior dustproof and waterproof performance.
➢ Meeting the 1.5-meter drop specification and the 0.5-meter tumble specification (500 tumbles).
➢ Keys designed with the IMD film printing technology for scratch-resistance and a longer service life.

iData, high performance and high reliability.

Main Functions

- ➤ Supporting Android 4.4 operating system.
- ➤ Supporting 3G (WCDMA), GPRS, GSM, Wi-Fi, NFC and other wireless communication modes.
- ➤ Supporting 1D/2D barcode scanning or image scanning.
- ➤ Supporting a 13.56 MHz HF RFID read/write module for RFID tag reading.
- ➤ Supporting an IR communication module for data collection.
- ➤ Supporting a built-in autofocus 5 Mega pixel camera for photographing and video recording.

Technical Specifications

● **System Configuration**

CPU	High-performance 1.0GHz dual-core processor
Operating System	Android 4.4
Memory	8GB ROM+1 GB RAM
Expansion Slot	Micro SD card, up to 32 GB, Micro SD slot
Display	3.5-inch HVGA (320x480), high brightness TFT LCD, LED backlight
Touch Panel	Industrial-grade capacitive touch panel
Camera (Optional)	5 Mega pixel, autofocus lens, LED flash
Exit Window	Corning® Gorilla® glass
Keypad	28-key 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

● **Structural Parameters**

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

● **Communication Transmission**

Wireless Voice Communication	3G:WCDMA 2100MHz 2G: GSM 850/900/1800/1900MHz
Wireless WAN	HSPA+/GPRS
Wireless LAN	Wi-Fi 802.11b/g/n
GPS	High performance GPS / AGPS navigation chip

● **Operating Environment**

Development Tools	Android SDK+JDK+Eclipse
Programming Language	Java, C
Operating Temp.	-10℃～50℃（14℉ ～ 122℉）
Storage Temp.	-20℃～60℃（-4℉ ~140℉）
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

● **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)

● **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(B)/15693
NFC	Optional

● **Input/Output Ports**

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

● **Accessories**

Standard	Battery, Hand strap, Wrist strap
Optional	Power adapter, USB cable, Bottom charging cable , Single cradle, 4-slot battery charger, Silicon case

iData®

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