

iData 95UHF

iData 95UHF is a UHF 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, iData 95UHF provides user friendly operation interface, supports versatile functions like UHF RFID data reading/writing, 1D/2D barcode scanning, infrared communication modules, GPS, photographing, voice communication, 3G and other modes of wireless communication, Wi-Fi, and is widely used in various fields, such as warehousing, field service, smart metering, tracing management, equipment inspection, parking management , IC card management and etc.



Five Strengths

● Easy to use and rugged

- Based on Android 6.0 operating system, iData 95UHF can be handled easily. Users can use it to work immediately without any special training.
- High-performance quad-core 1.3 GHz processor for higher running speed.
- Industrial-grade capacitive touch panel for easy operation and higher flexibility.
- Meeting IP65 sealing standard for superior dustproof and waterproof performance.

● Long-range, wide coverage, multi-mode data capture

- Equipped with built-in UHF RFID read/write modules, iData 95UHF can quickly and accurately capture UHF RFID data in batches. The long-range RFID performance allows data capture at a distance up to 3.5 meters, depending on tags. It also delivers a wide read range and coverage area up to 90°.
- Supporting multiple data capture modes such as 1D/2D barcode scanning, infrared communication modules, GPS, and photographing, iData 95UHF can fully meet users' different requirements on data capture for mobile field service.

● 4G and multiple wireless communication modes

- Supporting 4G in a wireless wide area network (WAN).
- Supporting Wi-Fi transmission in a local area network (LAN).

● Light weight

- Featuring compact and excellent design, iData 95UHF weights only 383g, the lightest device in its class.
- Ergonomic design allows users to hold iData 95UHF comfortably. Users can work with it for a long time without any fatigue.

● Reliable power supply

- Adopting a 3.7 V 6000 mAh rechargeable lithium polymer battery for long time and continuous work.
- Fast charging scheme to save charging time considerably for higher work efficiency.

Main Functions

- Supporting RFID data capture with a 902-928 MHz UHF RFID read/write module.
- Supporting 1D/2D barcode scanning or image scanning.
- Supporting smart metering with an IR communication module.
- Supporting photographing and video recording with a built-in autofocus 5 Mega pixel camera.
- Supporting mass transmission of business data in real time with various wireless communication modes, such as 3G : HSPA/ GPRS, and Wi-Fi.

Technical Specifications

● System Configuration

CPU	High-performance quad-core 1.3 GHz processor
Operating System	Android 6.0/ndroid 5.1
Memory	16GB ROM+2 GB RAM / 8GB ROM+1 GB RAM
Expansion Slot	Micro SD card, up to 32 GB
Display	3.5-inch HVGA (320x480),high brightness TFT LCD, LED backlight
Touch Panel	Industrial-grade capacitive touch panel (supporting operation with gloves)
Camera	5 Mega pixel, autofocus lens, LED flash
Exit Window	Corning® Gorilla® glass
Keypad	Durable industrial keypad with interior transmission light
Battery	3.7 V 6000 mAh rechargeable lithium polymer battery
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
Operating Temp.	-10°C to 50°C (14°F to 122°F)
Storage Temp.	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	0 to 95% (non-condensing)
Sealing	IP65
Electrostatic Discharge	Conforms to ± 15 kV air discharge, ± 8 kV direct discharge

● Structural Parameters

Dimensions (L x W x D)	189 mm x 70 mm x 43.5 mm
Weight	383 g (including battery)

● Communication Transmission

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

● Input/Output Ports

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

- **RFID (UHF)**

Protocol	ISO18000-6C (EPC C1G2)
Frequency	840-960MHz
Antenna	Circularly polarized 2 dBi / Linearly polarized 1.4 dBi
Max Output Power	1 W (<30 dBm)
Data Capture Range	Within 2.5 m (3.5 m for special tags)
Nominal Write Range	Within 0.8 m

- **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.

- **Accessories**

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

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