iData 95 Universal and Mobile Intelligent Terminal

Classic design, unique creation

Proven to meet the industrial mobile applications

iData 95V provides most stable performance in the industry.

iData 95V has great performance with good design, chip optimization and extended customizatoin for the applicaton.

iData 95W —— Powerful

It supports high speed data collection with accurate transmission, ultra HD display for indoor and outdoor. It has a large capacity battery and low power consumption for long battery life.

iData 95HC —— Healthcare mobile computer

It support 3G wireless communication with Android 4.4. It uses antibacterial material housing for health care operation.

iData 95UHF —— UHF mobile computer

It supports long range UHF RFID label reading up to 3.5 meters as well as wide read/write angle, up to 90° .

It supports fast data collection with excellent design.

It is small and light, 383 g including the battery.

iData 95V iData 95W iData 95HC iData 95UHF

Applications:

Logistics and Express | Smart Manufacturing | Asset management | Mobile Ticketing | Mobile Enforcement | Food Tracking

Mobile Healthcare | Pharmaceutical Supervision | Warehouse Management | Meter Reading | Device Inspection | Parking Management

iData 95 Specifications

System Configuration

CPU	iData 95W / iData 95HC: Quad-core 1.3GHz ARM processor iData 95V / iData 95UHF: Dual-core 1.0GHz ARM processor
Operating System	iData 95W / iData 95HC / iData 95UHF: Android 4.4 iData 95V: Android 4.2
Memory	iData 95W / iData 95HC: 8GB ROM+1GB RAM iData 95V / iData 95UHF: 4GB ROM+1GB RAM
Expansion Slot	Micro SD card, up to 32 GB
Display	iData 95W / iData 95HC: 3.5-inch HD display (640 x 960) iData 95V / iData 95UHF: 3.5-inch HVGA (320x480)
Touch Panel	iData 95W / iData 95HC: Industrial-grade capacitive touch panel (supporting operation with gloves) iData 95V / iData 95UHF: Industrial-grade capacitive touch panel
Camera (Optional)	5 Mega pixel, autofocus lens, LED flash
Exit Window	Corning® Gorilla® glass
Keypad	Durable industrial keypad with interior transmission light
Battery	iData 95W / iData 95V / iData 95HC: 3.7 V 4000 mAh rechargeable lithium polymer battery (6000 mAh battery optional) iData 95UHF: 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	G-sensor

Structural Parameters

Dimensions (LxWxD)	iData 95W / iData 95V / iData 95HC: 152 mm x 68 mm x 24 mm iData 95UHF: 189 mm x 70 mm x 43.5 mm
Weight	iData 95W / iData 95V / iData 95HC: 255g (standard battery included) iData 95UHF: 383g (standard battery included)

Communication Transmission

Wireless Voice Communication	3G: iData 95W / iData 95HC: WCDMA 850/2100MHz iData 95V / iData 95UHF: WCDMA 2100MHz 2G: GSM 850/900/1800/1900MHz
Wireless WAN	iData 95W / iData 95HC: WCDMA/GPRS/HSPA+ iData 95V / iData 95UHF: HSPA+/GPRS
Wireless LAN	Wi-Fi 802.11b/g/n
Bluetooth	iData 95W / iData 95HC: Bluetooth 4.0+LE iData 95V/ iData 95UHF: Bluetooth 4.0
GPS	Supporting GPS / AGPS

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 ~ 95% (non-condensing)
Drop Specification	iData 95W / iData 95V / iData 95HC: 1.5-meter drops to concrete ground
Tumble Specification	iData 95W / iData 95V / iData 95HC: 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)

1D/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 (HF)

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

RFID (UHF)

Protocol	ISO18000-6C (EPC C1G2)
Frequency	902-928 MHz
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)
ominal Write Range	Within 0.8 m

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 | Power adapter | Bottom charging cable | Hand strap (95V,95W) | Hand strap (95HC) | Hand strap (95UHF)

Optional

1-slot charging & communication stand (95W,95V,95HC) | 4-slot battery charger | Silicon Case (95W,95V,95HC) | Smart pen