iData 95W Mobile Computer

2021 version, The most powerful

➢ **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® 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 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.

System Configuration

CPU	Quad-core 1.3GHz
Operating System	Android 6.0
Memory(ROM+RAM)	16 GB+2 GB
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 MP 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

Operating Environment

Development Tools	Android SDK + JDK + Eclipse
Programming Language	Java, C
Operating Temp.	-20℃ ~ 60℃ (-4℉ to 140℉)
Storage Temp.	-40℃ ~ 60℃（-40℉ ~140℉）battery included -40℃ ~ 70℃（-40℉ ~158℉）battery not included
Relative Humidity	0 ~ 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 (Network frequency)	2G：B2/B3/B5/B8 4G：FDD-LTE：B1/B3/B5 TDD-LTE：B38/B39/B40/B41
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)
OTG	Support

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.
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.

RFID

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

Accessories

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