iData 55HC Healthcare Mobile Computer

Tailored for mobile healthcare. Help doctors and nurses work more efficient and easier

5G Wi-Fi +4G (TD-LTE/FDD-LTE)

iData 55HC adopts 5G Wi-Fi (2.4 GHz/5 GHz) design and first supports 4G (TD-LTE/FDD-LTE) in the industry.

It provides faster and more stable wireless communication for healthcare data transmission.

Powerful data collection

Equipped with the most powerful 2D scanning engine in the industry, iData 55HC can accurately and quickly read barcodes on patients' wrist straps, transfusion bags and transfusion bottles. The soft white LED scanning fill-in light technology provides care and protection for the eyesight of doctors and nurses.

4.7-inch HD IPS Screen

iData 55HC adopts industry leading TP+LCD full lamination technology.
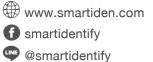
The 4.7-inch IPS full view screen offers HD display.

The ultra-sensitive touch panel supports operation with gloves and wet hands in low temperature, dry and dust-free environment.

Light, safe and rugged

iData 55HC weights only 230 g. The medical-grade antibacterial shell can effectively avoid cross infection.

iData 55HC is very rugged. It meets IP65 protection grade and 1.2-meter drop standard on the cement.

230g		IP65	1.2m
Light	Antibacterial shell	IP Rating	Drop Spec

System Configuration

CPU	High-performance quad-core 1.25 GHz processor
Operating System	Android 6.0
Memory	16 GB ROM+2 GB RAM
Expansion Slot	Micro SD card, up to 32 GB
Display	4.7inch, 1280 x 720 High resolution
Touch Panel	Industrial-grade capacitive touch panel (supporting operation with gloves)
Camera (optional)	8 MXP autofocus camera in the back side , autofocus lens, LED flash
Exit Window	Corning® Gorilla® glass
Keypad	4 front keys, 4 side keys , Power key
Battery	3.7 V 3300 mAh rechargeable lithium polymer battery
Fast Charging	Fast charging scheme
Audio	Built-in microphone /Micro USB/Headphone connector
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	G-sensor

Structural Parameters

Dimensions	150x73.5x16 mm (head 24mm thickness)
Weight	230g (battery included)

Communication Transmission

Wireless WAN (Network frequency)	GSM: 850MHz/900MHz/1800MHz/1900MHz; TD-SCDMA: Band34/39; WCDMA: 2100MHz TDD LTE: Band38/39/40/41; FDD LTE: Band1/3
Wireless WAN (Data service)	GPRS/EDGE/HSPA+/TDD-LTE/FDD-LTE
Wireless LAN	Wi-Fi 802.11a/b/g/n (Dual-band Wi-Fi: 2.4G+5G)
Bluetooth	Bluetooth 4.0
GPS (optional)	Supporting GPS / AGPS

Accessories

Standard	Battery, Hand strap
Optional	USB cable, Power adapter, Charging stand, Single cradle, Bottom charging cable, 4-slot cradle, Silicon case

Operating Environment

Development Tools	Android SDK+ JDK+Eclipse
Programming Language	Java
Operating Temp	-10°C ~ 50°C (14°F to 122°F)
Storage Temp	-20°C ~ 60°C (-4°F to 140°F)
Relative Humidity	0 ~ 95% (non-condensing)
Drop Specification	1.2-meter drops to concrete ground
Sealing	IP65
Electrostatic Discharge	Conforms to ±15 kV air discharge, ±8 kV direct discharge

1D / 2D Area Imager

Scan Precision	3mil c39/128
Rotate Angle	360°
Pitch Angle	±45°
Skew Tolerance	±65°
Scan Frequency	1 scans /50ms
Laser Safety Grade	Class II
Image Resolution	844(H)×640(V)
Image Frame	60fps
Light Source System	White light, laser aiming
Minimum Printing Contrast	20%
Code Support	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,Micro-PDF417, 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.

NFC (Optional)

Frequency	13.56 MHz
Reading Distance	Within 10 mm
Protocol	ISO14443A/14443B/15693

Input / Output Ports

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

Applications:

Mobile Nurse Station | Clinic Transfusion | Inpatient Ward Patrol | Surgical Instrument Management | Drug Administration | Asset Management | Nutrition Diet