iData 80 Healthcare Mobile Computer

Design for medical personnel, supports multiple mobile healthcare applications

➢ **Extra-large screen, HD full view display + medical light**

♦ An industry-leading 5.7-inch extra-large screen, 18:9 full view display, which is more comprehensive, thus easily checking the medical information;

♦ **Equipped with an easy access to the flashlight, so as to facilitate** medical personnel can easily collect the nursing data under different environments.

➢ **The smoothest large screen PDA**

♦ **Deep optimization of scanning performance**, decoding speed increased by 50%, decode 1200 times per minute; Wider reading range, depth of field increased by 30% on average;

♦ **Android 9.0 OS**, which can handle multi-tasking at higher speeds, resulting in better and smoother operation;

♦ Octa-core CPU, with 2G RAM large storage, stronger performance, lower power consumption;

♦ **Unique 5G Wi-Fi network technology,** fast roaming, to meet the needs of faster transmission rates in complex environments.

➢ **The most durable large screen PDA**

♦ 18W fast charge + 4000mAh large capacity battery, full blood quickly;

- AI smart dimming + power saving mode brings lower power consumption and longer code scanning time;
- iData 80HC is very rugged, meets IP65 protection grade and 1.5-meter drop standard on the cement.

➢ iData Series Enterprise Applications

- **iData self-developed Enterprise apps (iSeries Apps)**, among many others, it includes the iLauncher (Kiosk or Lock-down mode) where admin can customize which apps and features are available for the users of the iData 80HC;
- iData MDM makes the information department manage all the PDAs of the hospital easily and alleviate the management maintenance pressure.

System Configuration

CPU	Octa-core 2.0 GHz
Operating System	Android 9.0
Memory（ROM+RAM)	16GB+2GB (optional 128GB+6GB/64GB+4GB/32GB+3GB)
Expansion Slot	Micro SD card, up to 256 GB
SIM	Three choices for two card slots, Dual SIM
Display	5.7-inch, 1440 x 720 High resolution (18:9 full view display)
Touch Panel	Industrial-grade capacitive touch panel
Camera (optional)	8 MP autofocus camera in the back side, autofocus lens, LED flash (13 MP optional)
Exit Window	Corning® Gorilla® glass
Keypad	3 front keys, 4 side keys, power key
Battery	3.8 V 4000 mAh rechargeable lithium polymer battery
Audio	Built-in microphone /Type-C USB
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Fingerprint module	Capacitive fingerprint module

Structural Parameters

Dimensions (LxWxD)	164 mm x 79mm x 15.5 mm (max thickness 22mm)
Weight	240g (battery included)

Communication Transmission

Wireless WAN (Network frequency)	Asia & Europe： 2G：B2/B3/B5/B8 3G：WCDMA：B1/B5/B8 CDMA BC0 TD-SCDMA:B34/B39 4G：FDD-LTE：B1/B3/B5/B7/B8/B20 TDD-LTE：B34/B38/B39/B40/B41

	America：
	2G：B2/B3/B5
	3G：B1/B2/B4/B5 CDMA BC0/BC1 (U.S.A)
	4G：B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
Wireless WAN (Data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
Wireless LAN	Wi-Fi 802.11a/b/g/n/r/ac (Dual-band Wi-Fi: 2.4G+5G)Wi-Fi 5G PA Amplify
Bluetooth	Bluetooth 5.0 LE
GPS	Supporting GPS/AGPS/Glonass/Beidou Compass/Galileo

Operating Environment

Development Tools	Android SDK+ JDK+Eclipse
Programming Language	Java
Operating Temp.	-20℃ ~ 60℃ (-4℉ ~ 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
Sealing	IP65
Electrostatic Discharge	Conforms to ±15 kV air discharge, ±8 kV direct discharge, surge prevention design

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 , 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.

NFC

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

Input/output Ports

USB Port	1 (Type-C USB port)
Charger Port	1

Accessories

Standard	Power adapter, Hand strap, Screen protector, USB cable, Single cradle
Optional	Bottom charging cable, 4-slot device cradle, Carry case, Waist bag

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