i80HC
Healthcare
Mobile Computer

Design for medical personnel supportsmul tiple mobile healthcare applications

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

An industry-leading 5.7-inch extra-large full 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 caneasily collect the nursing data under ifferent environments.

The smoothest large screen PDA

Deep optimization of scanning performance, decoding speed increased by 50%, decode1200 times per minute; Wider reading range, depth of field increased by 30% on average;Android9.00S, which can handle multi tasking at higher speeds, resulting in better and smoother operation;

Octa-core CPU, with2G RAM large storage, stronger performance, lower power consumption;

Unique 5G Wi-Fi network technology, fast roaming, to meet the needs of faster transmissionrates in complex environments

Multiple field enterprise data collection function

Compatible with multiple types of industrial-level scanning engines, satisfy the bar code scanning demands of different scenes; Support multiple professional data automatic recognition and collection modes like NFC, GPS and cameras, help the users to collect the business data accurately and rapidly.

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 codescanning time;
i80HC is very rugged, meets IP65 protection grade and 15 meter drop standard on thecement.

Enterprise-class configuration, stronger performance

Qualcomm Octa-core CPU & 2GB RAM, with the higher performance and lower power consumption;
Android OS, further optimize the iData 80, help you cope with the multiple-task processing in a high speed and bring the more excellent smooth operation;

Technical Specifications

System Configuration

Operating system	Android 9.0
Processor	Octa-core 2.0 GHz
Memory	16 GB ROM+2 GB RAM (optional 128GB+6GB/64GB+4GB/32GB+3GB)
Extended slot	Micro SD card, up to 256 GB

Physical Parameter

Display screen	5.7"1440x 720 (18:9 full view display)
Touch Panel	Industrial-grade capacitive touch pane
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	3.8V 4000mAh 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	164 mm x 79 mm x 15.5 mm
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/B4
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℃
Storage Temp.	-40℃ ~ 60℃ battery included -40℃ ~ 70℃ battery not included
Relative Humidity	0 ～ 95% （No condensation）
Drop Specification	1.5-meter drops to concrete ground
Protection grade	IP65
Electrostatic Discharge	Conforms to ±15 kV air discharge, ±8 kV direct discharge

2D Area Imager

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

NFC

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

Input/Output Ports

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

Accessories

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