i80s Extra Large Screen Handheld Terminal

Unimes i80s

is extra-large screen rugged mobile computer，Industry pioneer large 5.7-inch screen, 18:9 full view display leading design；Multiple field enterprise data collection function：Supreme configuration, stronger performance；Safer and more reliable.

Extra-large HD screen

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

4000 mAh capacity battery

Use rechargeable polymer lithium battery system,big capacity, PDA internal battery 4000 mAh, make sure all weather working normally.

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.

Safer and more reliable

i80s boasts an ultra-fast fingerprint sensor so you can swift unlock the mobile computer; supports multiple fingerprint recognition applications, satisfy all mobile application demands of Enterprises

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	3.8 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	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℃ (-4℉ ~ 140℉)
Storage Temp.	-40℃ ~ 60℃（-40℉ ~140℉）battery included -40℃ ~ 70℃（-40℉ ~158℉）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%
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 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