

iData 50P Large Screen Mobile Computer

5G Wi-Fi + 4G network



➤ **Faster and more stable wireless data transmission.**

- ◆ **4G network** It provides 4G network for faster data transmission on mobile applications.
- ◆ **5G Wi-Fi** It provides 5G Wi-Fi to increase transmission rate by 300% with dual transmission switch to solve congestion, conflict and interference problems.

➤ **More powerful and efficient data collection.**

- ◆ It supports the most powerful barcode scan engine, NFC, GPS, camera and the other AIDC methods to improve accuracy and speed of data collection.

➤ **It is easier to be used and more portable.**

- ◆ **4.7-inch HD screen with full viewing angle and touch panel to make work efficient** Suitable for one hand operation with ultra-high-definition display of 1280*720 resolution. The touch screen uses industrial-grade ultra-sensitive capacitive screen to support gloves and wet hand operation.
- ◆ **Enterprise-class Android OS + Octa-core CPU** It has enterprise-class Android operating system with Octa-core processor to provide top speed operation platform.
- ◆ **It is very portable to make work easier** It weighs only 230g including the battery, which makes it the most portable device in the industry. It can be easily kept in a pocket and be used for long time without fatigue with its ergonomic design.

System Configuration

CPU	Octa-core 2.0 GHz
Operating System	Android 9.0
Memory	64GB ROM + 4GB RAM (optional 32GB ROM + 3GB RAM / 16GB ROM + 2GB RAM)
Expansion Slot	Micro SD card, up to 256 GB
Display	4.7inch, 1280 x 720 High resolution
Touch Panel	Industrial-grade capacitive touch panel (supporting operation with gloves)
Camera	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	3.8V 7200mAh / 3600mAh 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/Proximity sensor/Light sensor

Structural Parameters

Dimensions (LxWxD)	150 mm×73.5 mm×16 mm (head 24mm thickness)
Weight	230g (battery included)

Communication Transmission

Wireless WAN (Network frequency)	Asia & Europe: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B2/B5/B8 CDMA&EVDO: BC0 TD-SCDMA: B34/B39 4G: FDD-LTE: B1/B3/B7/B8/B20 TDD-LTE: B38/B39/B40/B41 America: 2G: B2/B3/B5 3G: B1/B2/B4/B5; CDMA&EVDO: 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 802.11 a/b/g/n/r/ac (Dual-band Wi-Fi:2.4G+5G), double PA amplifier WIFI Security : WEP, 802.1X. TKIP, AES, WPA-PSK, WPA2
Bluetooth	Bluetooth 5.0
GPS (optional)	GPS/AGPS/Beidou Compass/Galileo/Glonass

Operating Environment

Development Tools	Android SDK+ JDK + Eclipse
Programming Language	Java
Operating Temp.	-20°C ~ 60°C
Storage Temp.	-40°C ~ 60°C (-40°F ~140°F) battery included -40°C ~ 70°C (-40°F ~158°F) 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

1D Laser Scanner

Scan Precision	5mil
Rotate Angle	±35°
Pitch Angle	±65°
Skew Tolerance	±50°
Ambient Light	Sunlight: 10,000ft. Candles (107,640Lux) Artificial Light: 450ft. Candles (4,844Lux)
Scan Frequency	104±12 /sec
Laser Safety Grade	Class II
Code Support	UPC/EAN, POST, Code 128, Code 39, Code 93, Code 11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSSI, etc.

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 , 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.
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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
OTG	支持

Accessories

Standard	Battery, Power adapter, Screen protector, Hand strap
Optional	Bottom charging cable, USB cable, Single cradle, Charging cradle, 4-slot device cradle, 4-slot battery cradle, Carry case (with wrist strap), Waist bag, Pistol grip

