

# iData K1 Mobile Computer

Born for all kinds of operation



- **Ergonomic design, comfortable grip**
  - ◆ 4-inch screen + IMD Wear-resistant keyboard, ergonomic design, comfortable grip and operation.
- **High performance of data collection, extremely comprehensive; Smooth system operating experience and customization**
  - ◆ Octa-core 1.8GHz CPU with high performance; Comprehensive data collection configuration, fulfill all requirements.
  - ◆ Latest Android OS, fast and smooth operating experience; easy to customize.
- **Wi-Fi stable transmission, signal coverage all environments**
  - ◆ 2.4G + 5G dual frequency Wi-Fi switch, data transmission stable.
  - ◆ 5G PA amplifier, quick switching network, fast data transmission.
- **Long batter life, fast charging**
  - ◆ 4400mAh battery + unique batter saving technology.
  - ◆ Fast battery charging, overload protection.
- **Portable, durable**
  - ◆ Device only weights 270g, thin as 26mm, portable and comfortable for long-time usage.
  - ◆ IP65 protection+1.5m cement floor anti-drop, easy to handle under all kinds of environment.

## System Configuration

CPU	Octa-core 1.8 GHz
Operating System	Android 8.1
Memory	64GB ROM + 4GB RAM (optional 32GB ROM + 3GB RAM/16GB ROM + 2GB RAM)
Expansion Slot	Micro SD card, up to 128 GB
Display	4 inch, 800*480 IPS
Touch Panel	Industrial-grade capacitive panel (supporting operation with gloves)
Camera (optional)	13 MXP autofocus camera in the back side, autofocus lens, LED flash, supporting PDAF, Highlight flash
Flash light	800mA
Keyboard light	White
Scanning window	Mitsubishi composite plate
Keypad	26 durable industrial keypads with interior transmission light
Battery	3.8 V 4400mAh rechargeable lithium polymer battery, QC3.0 quick charging
Audio	Built-in microphone
Notification	Scanning prompt LED/Charging prompt LED/ Vibrator alerts
Vibration Motor	Built-in programmable vibration motor

## Structural Parameters

Dimensions (LxWxD)	168mmx71mmx26mm
Weight	270g (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/B5/B7/B8/B20 TDD-LTE: B38/B39/B40/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) WiFi 5G PA amplifier
Bluetooth	Bluetooth 4.2 LE
GPS	GPS/AGPS/Glonass/GALILEO/BEIDOU Target SNR≥39dB (Signal level -130dBm)
Sensor	G-Sensor, proximity sensor, light sensor, geomagnetic, gyroscope

## Operating Environment

Development Tools	Android SDK+ JDK + Eclipse
Programming Language	Java
Operating Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
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; Surge prevention design

## 1D Laser Scanner

Optical Resolution	≥ 4 mils
Scan Depth of Field	3.81 cm - 60.98 cm
Scan Angle	47°± 3°(Standard)
Scan Speed	102±12 scans/sec. (Bidirectional)

## 1D / 2D Area Imager

Optical Resolution	≥ 3 mils
Scan Angle	Omnidirectional
Scan Speed	300 scans/sec.
Supported Symbologies	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(Optional)

Frequency	13.56 MHz
Reading Distance	Within 30 mm
Protocol	ISO14443A/14443B/15693

## Input/output Ports

USB Port	1 (2pin Charger Port)
Charger Port	Type-C, headphone, transmission speed USB 3.0
OTG	Support

**Accessories**

Standard	Battery, Power adapter, Wrist strap, Hand Strap
Optional	Bottom charging cable, USB cable, Single cradle, 4-slot battery cradle, Pistol grip, Carry case, Waist bag , Screen protector



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