

# iData K1S 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 2.0GHz 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 weighted 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 2.0 GHz
Operating System	Android 9.0
Memory (ROM+RAM)	16GB +2GB, optional 32GB + 3GB /64GB + 4GB/128GB + 6GB
Expansion Slot	Micro SD card, up to 256 GB
Display	4 inch, 800*480 IPS
Touch Panel	Industrial-grade capacitive panel (supporting operation with gloves)
Camera	8MXP (optional 13MXP) autofocus camera in the back side, autofocus lens, LED flash, supporting PDAF, Highlight flash
Flash light	800mA
Keyboard light	White
Exit window	Mitsubishi composite plate
Keypad	26 durable industrial keypads with interior transmission light
Battery	3.8 V 4400mAh rechargeable lithium polymer battery
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)	<p>Asia &amp; Europe</p> <p>2G: B2/B3/B5/B8</p> <p>3G: WCDMA: B1/B5/B8</p> <p>CDMA&amp;EVDO: BC0</p> <p>TD-SCDMA: B34/B39</p> <p>4G: FDD-LTE: B1/B3/B5/B7/B8/B20</p> <p>TDD-LTE: B34/B38/B39/B40/B41</p> <p>America</p> <p>2G: B2/B3/B5</p> <p>3G: B1/B2/B4/B5</p> <p>CDMA&amp;EVDO: BC0/BC1 (America)</p> <p>4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41</p>
Wireless WAN (Data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
Wireless LAN	<p>Wi-Fi 802.11a/b/g/n/r/ac (Dual-band Wi-Fi: 2.4G+5G)</p> <p>WiFi 5G PA amplifier</p>
Bluetooth	Bluetooth 5.0 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 mil
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 mil
Scan Angle	Omnidirectional
Scan Speed	300 scans/sec.

### 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 2.0
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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