

# 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<br>(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<br>(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<br>-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 |

