iData K1 Series

Mobile Computer

Born for all kinds of operation

Quick scanning

Fast barcode scanning, decoding speed increased by 50%;
Long-lasting barcode scanning, AI intelligent dimming & power saving mode;
The farther the scanning depth of field, the wider the barcode reading range.

Powerful Wi-Fi

5G Wi-Fi network, standard fast roaming, stable connection, zero delay, no drop;
High-performance 5G PA amplifier, Wi-Fi performance is maximized to meet the needs of faster transmission rates in complex environments.

Durable

Android 9.0 OS + 4400mAh large battery + Bluetooth 4.2, easy battery life for a whole day;
IP65 + 1.5 meters of concrete floor anti-drop + waterproof, safe, reliable and durable.

Ergonomically designed grip

4-inch large screen + IMD wear-resistant full keyboard combination, comfortable grip, long-lasting grip without fatigue;
The ergonomic design of 22 function keys on the front + 3 scan keys on the front / side for user convenience.

iData K1 Series Specifications

System Configuration

CPU	K1: Octa-core 1.8 GHz; K1S: Octa-core 2.0 GHz
Operating System	K1: Android 8.1; K1S: Android 9.0
Memory (ROM+RAM)	K1: 16GB +2GB (optional 32GB + 3GB /64GB + 4GB) K1S: 16GB +2GB (optional 32GB + 3GB /64GB + 4GB/128GB + 6GB)
Expansion Slot	Micro SD card K1:up to 128GB K1S:up to 256GB
Display	4 inch, 800*480 IPS
Touch Panel	Industrial-grade capacitive panel (supporting operation with gloves)
Camera	K1: 13MP autofocus camera/K1S: 8MP(optional 13MP)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	K1: 3.8 V 4400mAh rechargeable lithium polymer battery, QC3.0 quick charging K1S: 3.8 V 4400mAh rechargeable lithium polymer battery, power backup support
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)	K1: 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 K1S: Asia & Europe 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8 CDMA&EVDO: BC0 TD-SCDMA: B34/B39 4G: FDD-LTE:B1/B3/B5/B7/B8/B20 TDD-LTE:B34/B38/B39/B40/B41 K1S: America 2G:B2/B3/B5 3G:B1/B2/B4/B5 CDMA&EVDO: BC0/BC1 (America) 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/ TDSCDMA/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	K1: Bluetooth 4.2 LE; K1S: Bluetooth 5.0 LE
GPS	GPS/AGPS/Glonass/BEIDOU/GALILEO/QZSS 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

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	K1: Type-C, headphone, transmission speed USB 3.0 K1S: Type-C, headphone
OTG	Support

Accessories

Standard	Battery, Power adapter, Wrist strap, Hand strap
Optional	Bottom charging cable, USB cable, 4-slot battery cradle, Pistol grip

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