



# iData K1S

Android Keyboard/Touchcontrol Terminal

## Time-tested & cost-effective option

iData K1S is an ultra-rugged Android keyboard-type smart terminal, which is time-tested in many scenarios such as new retail business, warehouses, manufacturing plants, express and logistics, etc. It improves the working capacity without increasing your purchase cost. By adding a pistol grip, K1S is able to deal with high-frequency scanning in inventory process.

### Multifunctional to meet requirements of different scenes

Equipped with iData's self-developed scanning engine, K1S can easily scan damaged, dirty, DPM barcodes, etc. The breakthrough Wi-Fi roaming technology, as well as the 5G PA amplifier, enable a better network experience in complex environments.

### Battery life designed for 1.5 shifts

The 4400mAh large battery can be used for 12 hours, which can meet the needs of long shifts and reduce the loss caused by equipment downtime. The battery is detachable so that it can work continuously right after the battery replacement.

### Enterprise-level protection to reduce malfunction losses

IP65 makes the equipment waterproof, dustproof, rainproof and snowproof. It can work the sun and rain environments outdoors. The 1.5-meter anti-drop design enables users to mount the equipment on forklifts, shelves and other heights confidently. This device is designed to survive accident drops.



Store management



E-commerce shipment



Warehouse management



Inventory management

# K1S Technical Specifications

## System Configuration

|                              |                                                                                                        |
|------------------------------|--------------------------------------------------------------------------------------------------------|
| Processor                    | Octa-core 2.0GHz high-performance processor                                                            |
| Operating System             | Android 9.0 (GMS) / Android 11.0 (GMS)                                                                 |
| Memory (ROM + RAM)           | 64GB + 4GB (standard)                                                                                  |
| SIM                          | Single SIM card                                                                                        |
| Expansion Slot               | Micro SD card (up to 256GB)                                                                            |
| Display Screen               | 4-inch, resolution: 800*480 pixels                                                                     |
| Touch Screen                 | Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation      |
| Camera                       | 13 megapixels of rear camera, support auto-focusing/PDAF                                               |
| Flashlight                   | 800mA flashlight                                                                                       |
| Keypad                       | 26 keypads: front key*23, side scan key *2, side power key *1                                          |
| Keyboard Backlight           | White                                                                                                  |
| Battery                      | 3.8V lithium battery, with 4400mAh, detachable, backup-battery support (support on selected terminals) |
| Audio                        | Built-in microphone                                                                                    |
| Charging Method              | Type-C charging and pin port charging                                                                  |
| Reminder                     | Vibration reminder/LED reminder                                                                        |
| Vibrating Motor              | Built-in vibrating motor                                                                               |
| Sensors                      | G-sensor/ Proximity sensor/Light sensor                                                                |
| Intercom Function (Optional) | Support one-button PTT calls                                                                           |

## Structure Parameter

|                   |                              |
|-------------------|------------------------------|
| Dimension (L*W*D) | 168mm*71mm*26mm              |
| Weight            | 270g (including the battery) |

## Environmental Parameter

|                           |                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------|
| Working Temperature       | -20°C - 60°C<br>*Do not charge under low temperature conditions for the safety concerns |
| Storage Temperature       | -40°C - 70°C (without the battery)                                                      |
| Humidity                  | 0 - 95% (no moisture condensation)                                                      |
| Drop Specification        | Multiple drops to concrete floor from the height of 1.5m                                |
| Roller Drop Specification | 1000 times of roller drops from a height of 0.5 meter                                   |
| Ingress Protection        | IP65                                                                                    |
| ESD Protection            | ±15KV (air discharge), ±8KV (contact discharge)                                         |

## Communication Interface

|               |                                   |
|---------------|-----------------------------------|
| USB Interface | Type-C (with headset function) *1 |
| OTG Interface | Support                           |

## Scanning Engine

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| Barcode Type           | It can scan one-dimensional / two-dimensional barcodes |
| Scanning Accuracy      | ≥3.33mil                                               |
| Scanning Angle         | Pitch: ±60°; Skew: ±45°; Tilt: 360°                    |
| View Angle             | Horizontal: 44.3°, Vertical: 28.4°, Diagonal: 51°      |
| Motion Error Tolerance | 8m/s                                                   |

## Communication Transmission

|                          |                                                                                                                                                                                                                                                                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WWAN (Network Frequency) | China & Eurasian version:<br>2G: 900/1800<br>3G: WCDMA: B1/B8<br>4G: FDD-LTE: B1/B3/B7/B8/B20, TDD-LTE: B34/B38/B40<br>American version:<br>2G: B2/B3/B5<br>3G: B1/B2/B4/B5, CDMA&EVDO: BC0/BC1 (The United States)<br>4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41 |
| WWAN (Data Service)      | GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE                                                                                                                                                                                            |
| WLAN Function            | Wi-Fi 802.11a/b/g/n/r/ac/i/k/v (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier                                                                                                                                                                          |
| Bluetooth                | Bluetooth 5.0, support BLE                                                                                                                                                                                                                                         |
| GPS                      | GPS                                                                                                                                                                                                                                                                |

## NFC (Optional)

|                        |                        |
|------------------------|------------------------|
| Working Frequency      | 13.56 MHz              |
| Reading Distance       | Within 30 mm           |
| Communication Protocol | ISO14443A/14443B/15693 |

## Development Support

|                      |                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Programming Language | Java                                                                                                                             |
| Development API      | iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface |
| Development Tool     | Eclipse/Android Studio                                                                                                           |

## Accessories (More details in accessories guide)

|                      |                                                                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard Accessories | USB cable*1, power adapter*1, hand strap*1, device-back strap*1, battery*1                                                                                                                                      |
| Optional Accessories | Power adapter(fast charging), 2-in-1 charging cradle, single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, pistol grip, fanny pack, protective film, protective case |

The information of iData products and software service may be subject to change without notice. Please contact your iData sales representative for the latest details.



Official Website

## WUXI IDATA TECHNOLOGY CO., LTD.

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Each product comes with a pack of practical and cost-effective accessories

## USB Cable

Type-C to USB cable, 1m in length, support charging and data transmission



CHA-USBC-GNR

## Hand Strap

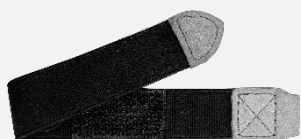
Wear on your wrist to carry the device, avoid accidental drops, and assure the safety of equipment



MNT-HS-GNR

## Device-back Strap

Attach on the device back to help you hold the device easily and firmly, avoid accidental drops



MNT-BS-K1

## Battery

4400mAh, detachable design.

ps: every product comes with 1 unit, you can purchase extra unit



CHA-BTRY-K1S-4400MA

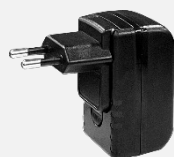
## Power Adapter

Input voltage 100-240V, output 5V2A. Support plug types of China/Europe/UK/US/Australia, match with CHA-USBC-GNR

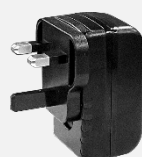
ps: you may have one of the power adapters



CHA-PWAD-  
GNR-5V2A-CN



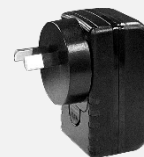
CHA-PWAD-  
GNR-5V2A-EU



CHA-PWAD-  
GNR-5V2A-UK



CHA-PWAD-  
GNR-5V2A-US



CHA-PWAD-  
GNR-5V2A-AU

## Improve management efficiency of devices and operational level of enterprises

### Power Adapter (fast-charging)

Input voltage 100-240V, output 9V2A. Support plug types of China/Europe/UK/US/Australia, match with CHA-USBC-GNR

ps: choose one that fits your local standard



CHA-PWAD-GNR-9V2A-EU

### Battery

4400mAh, detachable design.

ps: every product comes with 1 unit, you can purchase extra unit



CHA-BTRY-K1-4400MA

### 2-in-1 Charging Cradle

Support maximum charging of 1 main unit+1 battery at the same time. Match with multifunctional 5-slot base. Support plug types of China/Europe/UK/US/Australia



CHA-BTC21-K1

### Multifunctional 5-slot Base

Support maximum charging of 5 units of 2-in-1 charging cradle at the same time. Support plug types of China/Europe/UK/US/Australia



CHA-MCRD5S-GNR

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**Improve management efficiency of devices and operational level of enterprises**

## Bottom Charger

Bottom charger for the main unit, support charging for 1 device. USB-A port, can connect with CHA-PWAD-GNR-5V2A-XX accessory



CHA-BTC-K1

## Single Charging Cradle

Support charging for 1 main unit. Support plug types of China/Europe/UK/US/Australia  
ps: you may have one of the power adapters



CHA-CRD1S-K1

## 4-slot Charging Cradle

Support maximum charging of 4 main units at the same time.  
Support plug types of China/Europe/UK/US/Australia  
ps: you may have one of the power adapters



CHA-CRD4S-K1

## 4-slot Battery Charging Cradle

Support maximum charging of 4 batteries at the same time. Support plug types of China/Europe/UK/US/Australia  
ps: you may have one of the power adapters



CHA-CRD4B-K1

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## K1S Optional Accessories for Portability

Accessories Guide

**Improve device portability and comfort for users, boost working efficiency**

### Pistol Grip

Pistol grip for main unit. Execute barcode scanning by pressing the grip trigger. Only those main units with pin port on the back are compatible



MNT-PG-K1

### Fanny Pack

Used to carry main units and other accessories. Can be tied to the waist or used as a crossbody bag



MNT-FP-GNR

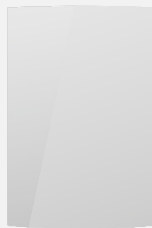
## K1S Optional Accessories for Protection

Accessories Guide

**Lower risks of malfunction during usage, extend lifespan of devices**

### Protective Film

Protective film for touchscreen. It can protect the screen from cracking or being scratched in case there's any accidental drops or impact during usage



PRT-PTF-K1

### Protective Case

Protective case for the main unit. It can prevent the malfunction of main unit in case there's any accidental drops or impact during usage



PRT-PTC-K1

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