



iData K3S

New generation Android Keyboard/Touchcontrol Terminal

More efficient operation, improve enterprise management

iData K3S is a new generation Android keyboard terminal, which has brand-new functions, enhanced battery life design. K3S simplifies the operation of workers and is more cost-effective. With right angle and tilt angle modes, it provides more efficient operation options for workers in different positions. With the help of iData K3S, it can improve the efficiency of enterprise management.

Dip angle version available, perfect for scan and verification

Right angle and dip angle are available. The scan engine of dip angle version can slide up to 28°, which is helpful for those workers who need to verify or confirm after scanning. They can read and scan at the same time without adjusting the angle.

180° screen flip design for easy downward scanning

While using the right-angle version, the screen will flip 180° for workers to check and confirm scanning information when they need to scan the barcodes which are in the lower part of the shelves. The workers need to hold the device upside down to scan so that they could act fast in sorting and inventory, etc.

New ergonomic design, comfortable and easy

The specially designed keyboard layout and grip texture make workers feel comfortable and easy to use. Whether it is holding upside down to scan or input confirmation, workers can complete all operations effortlessly. And the keypad and touch control of K3S can be operated while wearing gloves.



Store management



E-commerce shipment



Warehouse management



Inventory management

K3S Technical Specifications

System Configuration

| | |
|------------------------------|---|
| Processor | Octa-core 2.0GHz high-performance processor |
| Operating System | Android 12.0 (GMS) |
| Memory (ROM + RAM) | 64GB+4GB (standard) |
| SIM | Single SIM card |
| Expansion Slot | Micro SD card (up to 256 GB) |
| Display Screen | 4-inch, resolution: 800*480 pixels |
| Touch Screen | Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation |
| Camera | 8 megapixels of rear camera, support auto-focusing/PDAF |
| Flashlight | 800mA flashlight |
| Keypad | 30 keypads: front key*26, side scan key *2, side power key *1, side custom key*1 |
| Battery | 3.85V lithium battery, with 5000mAh, detachable |
| Audio | Built-in microphone |
| Charging Method | Type-C charging and pin port charging, support 18W fast charging |
| Reminder | High power speaker/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) | 162mm*68mm*19mm (the thickest part of dip-angle version is 29.4mm) |
| Weight | 278g (including the battery) |

Environmental Parameter

| | |
|---------------------------|---|
| Working Temperature | -20°C - 60°C *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) |

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) | 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8 , CDMA2000: BC0 4G: FDD-LTE: B1/B3/B5/B7/B8/B20, TDD-LTE: B34/B38/B39/B40/B41 |
| WWAN (Data Service) | GSM/GPRS/EDGE/UMTS/HSPA/HSPA+/WCDMA/TDD-LTE/FDD-LTE |
| WLAN Function | Wi-Fi 802.11a/b/g/n/r/ac/k/r (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier |
| Bluetooth | Bluetooth 5.0 |
| GPS | GPS/AGPS/BDS/Galileo/GLONASS/QZSS |

NFC (Optional)

| | |
|------------------------|------------------------|
| Working Frequency | 13.56 MHz |
| Reading Distance | Within 60 mm |
| Communication Protocol | ISO14443A/14443B/15693 |

Communication Interface

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

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 | Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, 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 COMPANY LTD.

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Website: www.idataglobal.com

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-K3

Battery

5000mAh, detachable design.

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



CHA-BTRY-K3S-5000MA

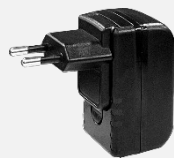
Power Adapter

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



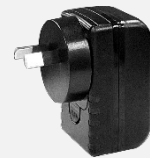
CHA-PWAD-GNR-5V2A-EU



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

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-K3

Battery

5000mAh, detachable design.

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



CHA-BTRY-K3S-5000MA

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-K3

4-slot Charging Cradle

Constituted by 4 CHA-CRD1S-K3S, 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-K3

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-K3S

Improve device portability and comfort for users, boost working efficiency

Fanny Pack

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

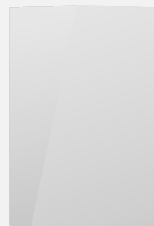


MNT-FP-GNR

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-K3

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



Right angle: PRT-PTC-K301

Tilt angle: PRT-PTC-K3S02

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