



iData K8 Ultra-rugged Android terminal

Industrial-level durability, long-time reliability

iData K8 is an ultra-rugged Android smart mobile terminal designed for large-scale warehouses, goods transportation centers, and manufacturing factories, etc. K8 features excellent performance and reliability, ultra-long product lifespan. Thus, your enterprise can benefit from a single purchase of K8 for a very long time.

Ultra-long product lifespan

K8 has anticipated the future challenges, from the processor, memory to the system and Android subsequent support, the device has taken the future needs into consideration. As a practical hardware, K8 is able to run upgraded system or Apps in the future, which makes it survive longer lifespan and will benefit your enterprise in the long run.

Designed to fit into complex environments

Both the ultra-rugged ingress protection and the ultra-big 6700mAh battery are making the K8 more durable at work. Besides, the device can survive accidental drops from a forklift or long working hours requirement.

Improve operation efficiency for warehouses and factories

Support up to 21.4m furthest scanning, the forklift can quickly scan the barcodes of the shelves and goods in a long distance. With the support of Bluetooth 5.0, K8 can connect to all kinds of earphones, printers and various extensive applications.



Production Management



Inventory management



Oil/gas/electricity management



Construction site management

K8 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 | Dual Nano SIM card |
| (eSIM: Not supported) | WIFI ONLY version: No SIM, not supported |
| Expansion Slot | Micro SD card (up to 512 GB) |
| Display Screen | 4-inch, resolution: 800*480 pixels IPS HD Retina Screen |
| Touch Screen | Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch |
| Camera | 13 megapixels of rear camera, support auto-focus/PDAF, 5 megapixels of front camera |
| Flashlight | 800mA flashlight |
| Keypad | Version A: Front key*29, side scan key *2, side PTT key *1, side \pm volume key *2 Version B: Front key*38, side scan key *2, side PTT key *1, side \pm volume key *2 |
| Battery | 3.85V lithium battery, with 6700mAh, detachable, backup-battery support; Execution standard: GB31241-2022 |
| Audio | Built-in dual microphone (noise-canceling microphone) |
| Charging Method | Type-C charging and pin port charging, support 9V/2A, 5V/3A fast charging |
| Reminder | High-power speaker/3 sides scan LED reminder/Vibration reminder/Charging 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) | 205mm*76mm*31mm |
| Weight | 440g (including the battery) |

Environmental Parameter

| | |
|---------------------------|---|
| Working Temperature | -20°C - 55°C *Do not charge under low temperature conditions |
| Storage Temperature | -40°C - 70°C |
| Humidity | 0 - 95% (no moisture condensation) |
| Drop Specification | Multiple drops to concrete floor from the height of 1.5m (without protective case) Multiple drops to concrete floor from the height of 1.8m (with protective case) |
| Roller Drop Specification | 1000 times of roller drops from a height of 0.5 meter |
| Ingress Protection | IP68 |
| ESD Protection | \pm 15KV (air discharge), \pm 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 | \geq 3.33mil |
| Scanning Angle | Pitch: \pm 60°; Skew: \pm 45°; Tilt: 360° |
| View Angle | Horizontal: 44.3°, Vertical: 28.4°, Diagonal: 51° |
| Motion Error Tolerance | 8m/s |

Communication Transmission

| | |
|--------------------------|--|
| WWAN (Network Frequency) | Chinese & Eurasian Version 2G: B2/B3/B5/B8 3G: WCDMA:B1/B5/B8, CDMA BC0, TD-SCDMA:B34/B39 4G: FDD-LTE:B1/B3/B5/B7/B8/B20, TDD-LTE:B34/B38/B39/B40/B41 WIFI ONLY version: Not supported |
| WWAN (Data Service) | GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE WIFI ONLY version: Not supported |
| WLAN Function | Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier |
| Bluetooth | Bluetooth 5.0, support BLE |
| GPS | GPS/AGPS/Beidou/Galileo/GLONASS/QZSS |

NFC (Standard)

| | |
|------------------------|------------------------|
| Working Frequency | 13.56 MHz |
| Reading Distance | Within 60 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

| | |
|----------------------|---|
| Standard Accessories | USB cable*1, hand strap *1, power adapter*1,device-back strap*1, battery*1 |
| Optional Accessories | Power adapter(fast charging), 2-in-1 charging cradle, multifunctional 5-slot base, single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, pistol grip, 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.

Address: Floor 11, Building B1, Wuxi (Binhu) National Sensing Information Center,
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E-mail: sales@idataglobal.com

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-K8

Battery

6700mAh, detachable design.

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



CHA-BTRY-K8-6700MA

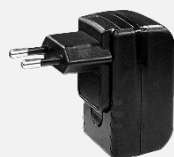
Power Adapter

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



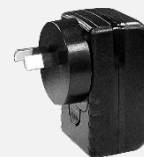
CHA-PWAD-
GNR-5V2A-EU



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

6700mAh, detachable design.

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



CHA-BTRY-K8-6700MA

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-K8

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-K8

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-K8

4-slot Charging Cradle

Support maximum charging of 4 main units at the same time.
Support plug types of China/Europe/UK/US/Australia



CHA-CRD4S-K8

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-K8

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K8 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-K8

K8 Optional Accessories for Protection

Accessories Guide

Lower risks of malfunction during usage, extend lifespan of devices

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-K8

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