



iData K8 Pro

Ultra-rugged Android Terminal

Industrial-grade durability for long-lasting reliability

iData K8 Pro is an ultra-rugged Android mobile smart terminal with comprehensive upgrades based on previous iData K8: the CPU is upgraded to 2.45GHz, the system is updated to the smoother and more energy-efficient Android 14, and it is updated with a faster and more stable Wi-Fi 6 module. Universal K8 series accessories are available, further avoiding additional replacement costs. Two different keyboard layout versions are available, which can be selected according to the actual needs of the enterprise. K8 Pro Good performance, reliability and long product life cycle can make your enterprise gain long-lasting use benefits after one purchase. It can be widely used in large warehouses, freight centers, manufacturing plants and other heavy-duty workplace scenarios.

Extremely long product life cycle

From the processor and memory to the system and support for subsequent Android, the device takes into account the needs of future applications, allowing your organization to upgrade the system and applications without having to invest more in hardware, allowing the device to have a longer lifecycle.

Industrial-grade rugged design for complex environments

Both the superb protection of the device and the large 6700mAh battery make the device more durable, and the device can easily face unexpected drops during forklift operations, as well as the demands of long shifts on the device's endurance.

Improve operational efficiency in large warehouses and manufacturing plants

21.4 meters ultra-long-distance scanning, so that the forklift operation is more convenient, large warehouse forklift operation, workers can quickly scan to the distant shelves or goods bar code, Bluetooth 5.1 can be connected to various types of headphones, printers, rich in all kinds of extended applications.



Production management



Inventory management



Oil/gas/electricity management



Construction site management

K8 Pro Technical Specifications

System Configuration

Processor	Octa-core 2.45GHz high-performance processor
Operating System	Android 14.0
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 128GB)
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, 34 keys in total: Front key*29, side scan key *2, side ± volume key *2, side custom key*1 Version B, 43 keys in total: Front key*38, side scan key *2, side ± volume key *2, side custom key*1
Battery	3.7V 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 18W fast charging
Reminder	High-power speaker/3 sides scan LED reminder/ Vibration reminder/Charging LED reminder
Vibrating Motor	Built-in vibrating motor
Sensors	Gravity Sensor (G-Sensor), Proximity Sensor, Light Sensor, Geomagnetic Sensor (optional), Gyroscope (optional), Barometer (optional)
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 - 60°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 1.8m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP68
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)	Global Version 2G : B2/B3/B5/B8 3G : B1/B2/B4/B5/B6/B8/B19 4G : FDD-LTE : B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B28A/B28B/B66, TDD-LTE : B34/B38/B39/B40/B41
WWAN (Data Service)	GSM/GPRS/EDGE/UMTS/HSPA/HSPA+/WCDMA/TDD-LTE/FDD-LTE
WLANFunction	Wi-Fi5(standard): a/b/d/e/g/h/i/k/n/r/t/v/w/ac, 20/40/80MHz Wi-Fi6(optional): a/b/d/e/g/j/i/q/k/n/r/t/v/w/ac/ax, 20/40/80MHz, 2x2 MIMO
Blue tooth	Blue tooth 5.0, support BLE
GPS	GPS/AGPS/Beidou/Galileo/GLONASS/QZSS

Communication Interface

USB Interface	Type-C (with headset function) *1
Charging Interface	8 Pin charging interface
OTG Interface	Support

NFC (Standard)

Working Frequency	13.56 MHz
Reading Distance	Within 40 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, single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, pistol grip, protective case

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

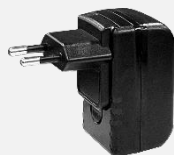
Power Adapter

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

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

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

4-slot Charging Cradle

Constituted by 4 CHA-CRD1S-K8, 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-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



*old
version

CHA-CRD4B-K8 1.0/2.0

*new
version

K8 Pro 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 Pro 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