



iData i3 UHF Portable RFID terminal

Unlock RFID reading ability for workers

We understand high-performance RFID reading equipment is efficient for sure, however what your workers carving for might be just a RFID device as portable as they can to accomplish ticket verification, commodity query etc. This lightweight RFID terminal can unlock RFID reading ability without increasing any burdens for workers.

Lighter and more compact RFID terminal

Weight only 185g, it can be carried or hung on the wrist effortlessly. The adjustable 0-1.5m reading range can effectively eliminate misreading rate while verifying tickets and querying commodity information, etc.

More than RFID

i3 has comprehensive functions, including scanning, photographing, 4G network, Wi-Fi, Bluetooth, etc. Workers can accomplish verification, information query, warehouse management, etc. by scanning, and obtain clear fulfillment certificate by taking photos.

Reduce loss due to product failure

There are inevitable drops, collisions, and water splashes at work. The IP54 protection and 1.5-meter drop resistance save workers from worries in any scenario, reducing loss caused by device failure.



Store inventory management



Packing and Double confirm



E-tag binding



Mobile cashier

i3 UHF Technical Specifications

System Configuration

Processor	Quad-core 2.0GHz high-performance processor
Operating System	Android 10.0
Memory (ROM+RAM)	16GB + 2GB
SIM	Single SIM card
Display Screen	3.2-inch, resolution: 800*480 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels rear camera, support auto-focus
Flashlight	800mA flashlight
Keypad	24 keypads in total: front scan key *21, side scan key *2, side power key *1
Battery	3.85V lithium battery, with 3000mAh, undetachable
Audio	Built-in microphone
Charging Method	Type-C charging, support 18W fast charging
Reminder	High power speaker reminder/vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	158mm*54mm*18.5mm
Weight	185 g (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
Ingress Protection	IP54
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 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8, CDMA&EVDO: B0, TD-SCDMA: B34/B39 4G: FDD-LTE: B1/B3/B5/B7/B8/B20, TDD-LTE: B34/B38/B39/B40/B41 American version 2G: B2/B3/B5 3G: B1/B2/B4/B5 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 (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier, fast roaming
Bluetooth	Bluetooth 5.0, support BLE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

UHF RFID

Communication Protocol	ISO18000-6C/EPC Class1 Gen2
Working Frequency	920MHz~925MHz
Output Power	0~25dBm
Reading Distance	Up to 1.5m

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, hand strap *1, power adapter*1
Optional Accessories	Fanny pack, 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

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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-i3 UHF

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

i3 UHF Optional Accessories for Portability

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 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-i3 UHF

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