



# 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

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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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