

iData i3 UHF Mobile Intelligent Terminal

Redefine RFID



➤ **Leading the trend of getting “smaller”**

- ♦ The performance of Xiao-i, the compact original intelligent terminal, has just been upgraded;
- ♦ The 4-core 2.0GHz high-performance processor and Android 10.0 operating system are leading the trend of getting "smaller" in the industry of the smart terminal;
- ♦ The whole machine only weighs 185g and can last for a longtime without getting weaker.

➤ **Born for UHF conditions**

- ♦ Built-in UHF RFID with more flexible scanning operation;
- ♦ The output power is adjustable 0~25dBm + SJC technology, the read-write distance can be both close and far without errors.

➤ **Tiny body with great wisdom**

- ♦ With the self-developed scanning engine, its scanning and decoding increased by 50%, and a half of power consumption is saved;
- ♦ With the 5G Wi-Fi + PA signal amplifier, signal transfers faster and steadier with less consumption.

- ♦ **Tiny but durable**
- ♦ With IP54 protection level + over a million keystrokes lifespan, the small body can also be very durable;
- ♦ 3000mAh battery, unique iData power saving optimization, available to work all day.

System Configuration

Processor	4-core 2.0GHz high-performance processor
Operating system	Android 10.0
Memory (ROM+RAM)	16GB + 2GB
SIM	Single SIM card
Display	3.2" screen of 800*480 resolution
Touchscreen	Industrial capacitive screen, supporting two-point touch/gesture operation
Camera	8 megapixels rear camera, compatible with 13 megapixels, support auto focus
Flashlight	800mA flashlight
Keyboard	24 keys: 21 keys on the front, 2 keys on the side, a power key
Battery	Lithium polymer, 3.85 V, 3000 mAh
Audio	Built-in microphone
Charging method	Type-C with 5V/2A charger, supporting 18W fast charging
Prompts	High-power speaker/vibration reminder/LED reminder/audio reminder
Vibrating motor	Built-in vibration motor
Sensor	G-sensor
Intercom function (optional)	Supporting one-button PTT calls

Structural parameter

Dimension (LxWxD)	158mm x 54mm x 18.5mm
Weight	185g (including battery)

Transmission

WWAN (network frequency)	Domestic & Eurasian versions: 2G: B2/B3/B5/B8 3G: WCDMA:B1/B5/B8, 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/UMTS/HSPA/HSPA+WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN function	Wi-Fi 802.11 a/b/g/n/r/ac 2.4G+5G, support (supporting) fast roaming, (with) Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0, supporting BLE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

Operating Environment

Support languages	Android standard interface, Java, secondary development of SDK, API, DEMO
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +60°C
Humidity	0 to 95% (non-condensing)
Drop specification	Multiple 1.5 m drops to concrete
Sealing	IP54
Electrostatic protection	±15KV (air discharge), ±8KV (contact discharge)

2D scan engine

Scan engine	1D/2D scan engine
Scanning accuracy	≥ 3 mil
Rotation angle	360°
Scan angle	Tilt $\pm 60^\circ$, deflection $\pm 60^\circ$, rotation 360°
Recognition speed	20 times/s
Laser safety class	Class II
Image resolution	844(H) \times 640(V)
Frame rate	60 fps
Light source system	White light illuminating, laser aiming
Print contrast (minimum)	20%

UHF RFID

Frequency	920~925 MHz, customized 865~868MHz
Communication protocol	EPC Class 1 Gen 2 / ISO 18000-6C
Output power	0~25dBm
Reading distance	0~1.5m Read white card 9962 in an empty environment

Input/output interface

USB interface	1, USB Type-C interface
Charging interface	Type-C, with headset function
OTG interface	Support

Peripheral Devices and Accessories

Standard accessories	Power adapter, USB cable, Wrist Strap
Optional accessory	Protective case