

iData T2 UHF

Flagship 5G RFID product series



Outstanding RFID performance

Equipped with a high-performance module + high-sensitivity circular polarization antenna. The reading distance can reach 15m, and the label reading speed can reach 700tags/s;

Octa-core 2.0GHz high-performance processor + Android 11.0, fully upgraded performance, smoother operation, easy to cope with software challenges from the mainstream market.

5G communication, rapid deployment

It supports Bluetooth 5.1, a faster and more stable connection, larger data transmission capacity, longer transmission distance, enabling quicker information communication for your employees;

Full Netcom 5G supports the 5G mode of SA, NSA, Sub6 and can meet the needs of a large amount of data transmission while your employees are working outdoors without Wi-Fi. There is no limit for any environment. It guarantees a high efficient communication in any scenario.

Ergonomic design work more efficiently

6.21 inches full waterdrop screen, covering the whole machine, so that your employees can easily see the screen clearly and effortlessly without eye fatigue caused by long hours of work;

There's a 15° angle between the screen and the RFID antenna. Your employees could read at ease when using the RFID to read/take pictures/scan.

Safe and reliable, save you from worries

6700mAh replaceable battery +4500mAh built-in battery quickly meets the needs of an entire day of high-intensity work. You can replace the battery without shutting down the device;

Metal heat sink + built-in cooling fan, the working temperature of the RFID module reduces by an average of 10°C, and the performance is more stable.



Stock management



Transport and Distribution



Inventory management



launch and removal



Sign for delivery & Dispatch



Inventory management



scenic area management



Mobile enforcement

iData T2 UHF (5G) Specifications



System configurations

Processor	Octa-core 2.0GHz high-performance processor
Operating system	Android 11.0
Memory (ROM+RAM)	64GB+4GB (standard), 128GB+6GB (optional)
SIM	3-choice dual-card slot, supports dual-card dual-standby *3-choice dual card slot means two cards can be inserted at the same time, it could be either Nano SIM card+Nano Sim card or nano SIM card + TF card.
Expansion slot	Micro SD card (up to 1TB)
Screen Size	6.21 inches, resolution 1520*720 pixels
Touch screen	Industrial-grade capacitive screen. It supports wet-hand/gesture /multi-touch/glove modes
Camera	16 million pixel top camera, front 5 million pixel, auto focus
Flash light	800mA flash light
Keypads	6 keypads in total; side scan key*2, side \pm volume key*2, power key*1, handle key*1
Battery	Host machine: Lithium battery 3.85V power supply, 4500mAh, non-detachable Handle: Lithium battery 3.6V power supply, 6700mAh, detachable *Executive standard: GB31241-2014
Audio	Built-in microphone (noise cancelling microphone)
Charging	Type-C charging and pin port charging, it supports 18W fast charge
Reminder	High-power speaker/vibration reminder/LED reminder/audio reminder
Vibration motor	Built-in vibration motor
Sensor	G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/Gyroscope
Intercom function (optional)	It supports PTT (Push-to-Talk)
Heat-sink fan (Optional)	Build-in heat-sink fan

Structural parameters

Size (H*W*D)	168mm*97mm*145mm
Weight	680g (Battery included)

Communication interface

USB interface	Type-C (with earphone function) *1, USB 3.0
OTG interface	Compatible
PSAM(Optional)	PSAM*1 compatible

Environmental parameters

Working Temperature	-20°C~60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C~70°C (battery not included)
Humidity	0~95% (No condensation)
Impact resistant specification	Up to 1.5 meters concrete ground impact resistant for multiple times
Roller drop specification	500 times 0.5 meter high place roller drop
Ingress Protection	IP67
electrostatic protection	\pm 15KV (air discharge) , \pm 8KV (contact discharge)

Scanning engine

Barcode types	It can scan one dimension /two dimension 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°
Motionerror tolerance	8m/s

UHF RFID

Communication protocol	ISO18000-6C/EPC Class1 Gen2
Working frequency	920MHz~925MHz/902MHz~928MHz/865MHz~868MHz
Output power	8~33dBm
Antenna	Circular polarization antenna
Reading distance	Up to 20m
Reading speed	Up to 700 tags/s

NFC (Optional)

Frequency	13.56MHz
Reading distance	Within 60mm
Communication protocol	ISO14443A/14443B/15693

Development support

Programming language	Java
Development API	iScan API (Scanning Development kits) , Device API (Devicemanagement /configuration development kits) , Android standard interface
Development tools	Eclipse/Android Studio

Communication transmission

Wireless WAN (Frequency)	China & 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 5G: N1/N3/N38/N41/N77/N78/N79	
	American Version: 2G: B2/B3/B5 3G: B1/B2/B4/B5, CDMA BC0/BC1 (U.S.) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41 5G: N1/N3/N38/N41/N77/N78/N79	
	Wireless WAN (Data modes)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA /TD-SCDMA /TDD-LTE/FDD-LTE/SA/NSA/Sub6
	WLAN Function	Wi-Fi 802.11a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G+5G dual-band Wi-Fi) It supports fast roaming, 1*1 MIMO, and Wi-Fi 5G PA amplifier
	Bluetooth	Bluetooth 5.1
GPS	GPS/AGPS/Beidou/ Galileo/GLONASS/QZSS/GNSS	

Accessories

Accessories (standard)	USB cable*1, Hand string *1
Accessories (optional)	Single charging cradle, 2-battery charger



website

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iData T2 UHF (4G) Specifications



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Processor	Octa-core 2.0GHz high-performance processor
Operating system	Android 11.0
Memory (ROM+RAM)	64GB+4GB (standard), 128GB+6GB (optional)
SIM	3-choice dual-card slot, supports dual-card dual-standby *3-choice dual card slot means two cards can be inserted at the same time, it could be either Nano SIM card+Nano Sim card or nano SIM card + TF card.
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Reminder	High-power speaker/vibration reminder/LED reminder/audio reminder
Vibration motor	Built-in vibration motor
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Intercom function (optional)	It supports PTT (Push-to-Talk)
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	WLAN Function	Wi-Fi 802.11 /a/b/g/n/ac (2.4G+5G dual-band Wi-Fi, fast roaming,
	Bluetooth	Wi-Fi 5G PA amplifier
GPS	Bluetooth 5.0	
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