



# iData T2

Large screen high-performance terminal

## Designed for field work environment

iData T2 is a large screen high-performance terminal with 4G network, which assure a faster data transmission rate and low network delay. With the help of 6.21-inch large HD screen, the device interaction become much easier. T2 is the dedicated practical mobile terminal for staffs who work outdoors environment, such as large-scale ports, exhibition arenas, etc.

### 4G WAN, more jobs can be done quicker

4G WAN features faster data transmission which makes it better than general Wi-Fi. The users can enjoy smoother network experience outdoors even without Wi-Fi connection, they can make on-line calls, video calls, and data download, etc.

### 6.21" large HD screen, the efficiency increases dramatically

More information can be displayed within the large screen, which lowers the mistouch rate during interaction with APPs. The efficiency of workers increase significantly in both reading or information input.

### Powerful performance, ultra-long product lifespan

Equipped with octa-core 2.0GHz processor and 64GB(ROM)+4GB(RAM), T2S not only runs faster to support multitasking demand, but also assures a longer lifespan to survive product upgrade for future business.



Receiving and delivery



Meter-reading management



Ticketing management



Mobile law-enforcement

# T2 (4G) Technical Specifications

## System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 12.0 (GMS)
Memory (ROM+RAM)	64GB + 4GB (standard)
SIM	Two out of three SIM card slots, support dual SIM and dual standby * Two out of three SIM card slots: two cards can be held at the same time, Nano SIM card + Nano SIM card / Nano SIM card + TF card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	6.21-inch, resolution: 1520*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	16 megapixels rear camera + 0.3 megapixels sub-camera, 5 megapixels front camera, support auto-focus
Flashlight	800mA flashlight
Keypad	5 keypads in total: side scan key *2, side power key *1, side $\pm$ volume key *2
Battery	3.85V lithium battery, with 4500mAh, detachable 3.85V lithium battery, with 4200mAh, detachable, support NFC, wireless charging
Audio	Built-in dual microphone
Charging Method	Type-C charging and pin port charging, support 18W fast charging
Reminder	High-power speaker/Vibration reminder/LED reminder/Audio reminder
Fingerprint Recognition	Support back fingerprint recognition
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/Gyroscope
Intercom Function (Optional)	Support one-button PTT calls

## Structure Parameter

Dimension (L*W*D)	168mm*79mm*13.7mm
Weight	245g (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
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP67
ESD Protection	$\pm$ 15KV (air discharge), $\pm$ 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	$\geq$ 3.33mil
Scanning Angle	Pitch: $\pm$ 60°; Skew: $\pm$ 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: 900/1800 3G: WCDMA: B1/B8 4G: FDD-LTE: B1/B3/B7/B8/B20, TDD-LTE: B34/B38/B40 American version: 2G: B2/B3/B5 3G: B1/B2/B4/B5, CDMA&EVDO: BC0/BC1 (U.S.) 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 fast roaming
Bluetooth	Bluetooth 5.0
GPS	GPS

## NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 60 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 (More details in accessories guide)

Standard Accessories	USB cable*1, hand strap *1, power adapter*1,device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, fanny pack, protective film, 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

## WUXI IDATA TECHNOLOGY COMPANY LTD.

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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-GNR

## Device-back Strap

Attach on the device back to help you hold the device easily and firmly, avoid accidental drops



MNT-BS-T2

## Battery

4500mAh, detachable design.

4200mAh, detachable design, support NFC, wireless charging  
ps: every product comes with 1 unit, you can purchase extra unit



CHA-BTRY-T2-4500MA

CHA-BTRY-T2-4200MA

## 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

### Bottom Charger

Bottom charger for the main unit, support charging for 1 device. USB-A port, can connect with CHA-PWAD-GNR-5V2A-XX accessory



CHA-BTC-T2

### Battery

4500mAh, detachable design.  
4200mAh, detachable design, support NFC, wireless charging  
ps: every product comes with 1 unit, you can purchase extra unit



CHA-BTRY-T2-4500MA CHA-BTRY-T2-4200MA

### 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-T2

### 4-slot Charging Cradle

Constituted by 4 CHA-CRD1S-T2, 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-T2

### 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



CHA-CRD4B-T2

### 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 Film

Protective film for touchscreen. It can protect the screen from cracking or being scratched in case there's any accidental drops or impact during usage



PRT-PTF-T2

#### 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-T2

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