



iData T22 Mobile Intelligent Terminal

Super 5G core, with no fear for challenges

5G communication, efficient and stable

5G all-netcom, the first 5G device, 100 times faster than 4G, with a peak rate of 20Gbps. Supporting the 5G mode for SA, NSA and SUB6, it will meet your needs of transmitting a mass of data in case of no Wi-Fi outdoors, breaking down the constraints to achieve efficient communication in any environment;

5G Wi-Fi supports MIMO, MU-MIMO and multi-channel Wi-Fi transmission, with better performance and higher transmission efficiency to allow more efficient operation and more stable connection. To meet the need for more employees to connect to the same AP for mass data transmission when a large number of employees working at the same time in the room.

Over-large screen, more efficient information reading and input

6.21-inch full-screen drip screen, so the user can easily see the screen content, reduce long hours of work eye strain;

1520*720 ultra-high resolution presents ultra-clear display, ensuring unaffected work under strong light, thus avoiding troubles caused by sight problems.

Design for easy control

One-button intercom PTT allows more than 50,000 people to access at the same time, over 15,000 people to communicate online meanwhile. Employees can communicate with each other at any time while working and dealing with their tasks with convenience. 1W high-power Speaker & exclusive sound cavity design allows employees to hear the prompt sound and scan sound in a noisy environment;

The rear dual-camera design can facilitate employees to take pictures of goods and upload them, allowing quick transmission to the administrative staff; it also works with the face identification system to facilitate personnel management;

The dual-SIM cards design allows free choice of the operator and SIM card, with the optimal signal to meet demands in various working environments;

High-level protection and long working hours

The combination of Android 11.0 and iData OS 3.0 makes a more stable, safer system with lower power consumption and longer working hours, which can meet the needs for a whole working shift and extend the life of the device;

The fast charging design up to 18W allows quick charging, even if the device is out of power, it can be fully charged quickly. The 4500mAh detachable super-large battery allows your employees to replace the battery easily and no need to worries about battery life.



System configuration

Processor	8-core 2.0GHz high-performance processor
Operating system	Android 11.0
Memory (ROM + RAM)	Standard configuration 64GB + 4GB, with other types: 16GB + 2GB / 32GB + 3GB/ 128GB + 6GB/ 256GB + 8GB, and maximum memory reaching 1TB + 16GB
SIM	Two out of three SIM card slots, supporting dual SIM and dual standby
Display screen	6.21-inch, resolution: 1520*720, HD water-drop screen
Touch screen	Industrial capacitive screen, supporting wet-hand operation/glove mode/multi-touch/gesture operation
Camera	16 megapixels of rear camera+300,000 pixels of side camera, supporting auto-focusing, 5 megapixels of front camera
Flashlight	800mA flashlight
Keyboard	Side: 2* Scan key, 1* Power key, 2* Volume key
Battery	3.85V lithium battery, with 4500mAh, detachable
Audio	Built-in dual noise reduction microphone
Charging method	Type-C and bottom charging cable, supporting 9V/2A, 5V/3A, 5V/2A charging
Tips	High-power speaker/vibration reminder/LED reminder/audio reminder
Fingerprint identification	Back fingerprint recognition
Vibrating motor	Built-in vibrating motor
Sensor	G-sensor, proximity sensor, light sensor, geomagnetic sensor, and gyroscope
Intercom function (optional)	Supporting one-button PTT calls

Structure parameters

Dimensions (LxWxD)	168mmx79mmx13.7mm
Weight	245g(included battery)

Communication transmission

WWAN (network frequency)	Domestic & 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 America version: 2G:B2/B3/B5 3G:B1/B2/B4/B5 CDMA BC0/BC1(The United States) 4G:B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41 5G:N1/N3/N38/N41/N77/N78/N79
WWAN (data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/ EVDO/WCDMA/TD-SCDMA / TDD-LTE/FDD-LTE/SA/NSA/Sub6
WLAN function	Wi-Fi 802.11 /a/b/g/n/ac/d/e/h/i/j/k/r/t/v/w,Supporting fast roaming, 1X1 MIMO, Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.1
GPS	GPS/AGPS/Glonass/BDS/Galileo /QZSS/GNSS

Service environment

Supported language	Android standard interface, Java, secondary development SDK, API and DEMO
Working temperature	-20°C - 60°C
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	0.5m rolling of 500 rounds (equivalent to 1,000 impacts)
Protection level	IP67
ESD protection	±15KV (air discharge), ±8KV (contact discharge)

NFC (Optional)

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

Input/output interface

USB interface	One, Type-C, USB 3.0, with headset
Charging interface	2pin charging interface
OTG interface	Supporting

Peripheral devices and accessories

Standard accessories	USB cable and hand strap
Optional accessories	Protective cover, single cradle, 4-slot battery cradle, bottom charging cable



Main application field:



Smart retail	Mobile medical service	Drug administration	Assets management	Intelligent transportation	Mobile law enforcement
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