iData T2G

Greater 5G terminal, Ready for Any Challenge

5G Communication, Efficient and Stable

5G common networks compatible, first-ever 5G device, with an astonishing transmission speed which is up to100 times than the 4G version. The peak rate could reach up to 20Gbps. It supports 5G modes of SA, NSA and Sub6, which fulfills mass data transmission rapidly for your staffs without Wi-Fi limitation.

Excellent Core, Strong Performance

Octa-core 2.0GHz 5G chip, which features advanced 7nm technique, has a greater performance in power consumption, operation stability and battery life. Your staffs can work fast with a smoother experience, handling the mainstream software easily.

Ultra-large Screen, Rapid Capture and Input

The 6.21-inch full water drop screen displays content clearly and comprehensively. Your staffs won't feel eye-fatigue after long time working.
With 1520*720 ultra-clear resolution display, your staffs will never miss important messages even working outdoors under strong light condition.

Ultra-rugged Protection and Long-lasting Battery Life

With IP67 protection grade, Bicolor injection molding housing, and hard rubber structure, the device becomes ultra-rugged, and survives drops to concrete at 1.5m. Your staffs can apply it to any environments with longer product lifespan.
Equipped with 6700mAh removable battery + 4500mAh built-in battery, it can easily survives high-intensity work 24h/7day, and the battery can be replaced without shutting down the device.

Stores management

Sign for delivery &Dispatch

Inventory management

Warehouse management

Waste management

Equipment management

Asset management

Intelligent inspection

iData T2G Specifications

System configurations

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0/12.0
Memory (ROM+RAM)	64GB+4GB (standard),128GB+6GB (optional)
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 1TB)
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 of top camera, 5 megapixels of front camera, support auto-focusing
Flashlight	800mA flashlight
Keypad	6 keypads in total: side scan key*2, side power key*1, side ±volume, xkey*2, handle key*1
Battery	Device: 3.85V lithium battery, with 4500mAh built-in
	Handle: 3.6V lithium battery, with 6700mAh, detachable
	* Execution standard: GB31241-2014
Audio	Built-in microphone (noise-cancelling microphone)
Charging Method	Type-C charging and pin port charging, support 18W fast charging
Reminder	High-power speaker/Vibration reminder/LED reminder/Audio reminder
Vibration Motor	Built-in vibration motor
Sensors	G-sensor/ Proximity sensor/Light sensor/Geomagnetic sensor/ Gyroscope
Intercom Function (Optional)	Support one-button PTT calls

Structural parameters

Size (H*W*D)	168mm *79mm *145mm
Weight	485g (including the battery)

Communication interface

USB interface	Type-C (with earphone function) *1, USB 3.0
OTG interface	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	1.5 meters multiple concrete impact resistant
Roller drop specification	500 times 0.5 meter high place roller drop
Ingress Protection	IP67
electrostatic protection	±15KV (air discharge) , ±8KV (contact discharge)

Scanning engine

Barcode types	It can scan one dimension /two dimension barcodes
Scanning Accuracy	≧3.33mil
Scanning Angle	Pitch：±60°；skew：±45°；tilt：360°
View angle	Horizontal：44.3°, Vertical：28.4°, Diagonal：51°
Motionerror tolerance	8m/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 802.11 /a/b/g/n/ac (2.4G+5G dual-band Wi-Fi, fast roaming
Bluetooth	Bluetooth 5.1, support BLE
GPS	GPS/AGPS/Beidou/ Galileo/GLONASS/QZSS/GNSS

Accessories

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

The information of iData products and software service may change. Please contact your iData sales representative for details.

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