iData T2X

RFID efficient collection,
lightweight and portable

Strong RFID performance, efficient collection

With Octa-core 2.0GHz high-performance processor + Android 11.0, the device is in stable and smooth operation, easy to deal with the software challenge of the mainstream market;
Equipped with a high-performance RFID module + circular polarization antenna, it supports batch tag reading; the reading distance can be either close or far.

5G communication, efficient and easy to deploy

5G Full Netcom supports 5G modes of SA, NSA, and Sub6 5G, which can meet the needs of a large amount of data transmission while your employees are working outdoors without Wi-Fi. There is no limitation of environments, easy access to high-performance communications in any scenario; With dual-band Wi-Fi+5G PA amplifier+MIMO, this device has more stable performance, higher transmission efficiency, more efficient operation, easy to meet the needs of a large amount of data transmission for multiple employees to connect to the same AP.

High-definition large screen, no fear of glare

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;
Wet hand/Gesture/multiple touch/glove modes are available, it is of great convenience for you employees to operate the device in different situations.

Durable and reliable, long battery life

IP67+ impact resistant up to 1.5m. It could be used in any scenario, and lifespan is longer;
The 4500mAh battery is detachable; with an 18W fast charging design, your employees can replace or charge the battery quickly. This device provides a double security system that could save you from worries for a 24/7 shift.

| Stores management | Sign for delivery & Dispatch | Inventory management | Warehouse management |
| Waste management | Equipment management | Asset management | Intelligent inspection |

iData T2X (5G) Specifications

FC ⓒ CE RoHS

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 rear camera, 5 million pixel front camera, auto focus
Flash light	800mA flash light
Keypads	5 keypads in total; side scan key*2, side ±volume key*2, power key*1
Battery	Lithium battery 3.85V power supply, 4500mAh, 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)

Structural parameters

Size (H*W*D)	168mm*79mm*13.7mm (Thickest 25mm)
Weight	315g (Battery included)

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

Environmental parameters

Working Temperature	-20℃~60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃~70℃ (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	±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

UHF RFID

Communication protocol	ISO18000-6C/EPC Class1 Gen2
Working frequency	920MHz~925MHz/902MHz~928MHz/865MHz~868MHz
Output power	0~25dBm (standard), 5~30dBm (optional)
Antenna	Circular polarization antenna
Reading distance	Up to 6m

NFC (Optional)

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

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/d/e/h/i/j/k/r/v/w (2.4G+5G dual-band Wi-Fi fast roaming)
Bluetooth	Bluetooth 5.1
GPS	GPS/AGPS/Beidou/ Galileo/GLONASS/QZSS/GNSS

Communication interface

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

Accessories

Accessories (standard)	USB cable*1, power adapter *1, Hand string *1
Accessories (optional)	Charging clip, single charging cradle, 4-device charger; 4-battery charger; protective case

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iData T2X (4G) 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 rear camera, 5 million pixel front camera, auto focus
Flash light	800mA flash light
Keypads	5 keypads in total; side scan key*2, side ±volume key*2, power key*1
Battery	Lithium battery 3.85V power supply, 4500mAh, 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)

Structural parameters

Size (H*W*D)	168mm*79mm*13.7mm (Thickest 25mm)
Weight	315g (Battery included)

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

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	±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

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Working frequency	920MHz~925MHz/902MHz~928MHz/865MHz~868MHz
Output power	0~25dBm (standard) , 5~30dBm (optional)
Antenna	Circular polarization antenna
Reading distance	Up to 6m

NFC (Optional)

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

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 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
Wireless WAN (Data modes)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA /TD-SCDMA /TDD-LTE/FDD-LTE
WLAN Function Bluetooth	Wi-Fi 802.11 /a/b/g/n/ac (2.4G+5G dual-band Wi-Fi, fast roaming, Wi-Fi 5G PA amplifier
GPS	Bluetooth 5.0 GPS/AGPS/Beidou/ Galileo/GLONASS/QZSS/GNSS

Communication interface

USB interface	Type-C (with earphone function) *1
OTG interface	Compatible

Accessories

Accessories (standard)	USB cable*1, power adapter *1, Hand string *1
Accessories (optional)	Charging clip, single charging cradle, 4-device charger; 4-battery charger; protective case

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