

# iData T2HC

Easy, Fast, Strong, Stable



## Easy to use; Various practical functions

iTalk has one-key intercom functions. The medics can communicate with each other anytime anywhere in mobile nursing by using iTalk;

One step to connect Wi-Fi. Just simply scan the Wi-Fi password barcode and that's it. The medics can complete the Wi-Fi connection while working in different floor.

## Fast scanning; Medical optimization scanning engine

This special optimization is mainly made for the curved and wrinkled barcodes, which are quite common in medical scenarios, such as barcodes on wristband and infusion bags. The medics can scan those barcodes without smoothing them;

If some barcodes are difficult to be scanned directly, the medics can scan them at an angle. The engine tilt deflection tolerance can reach up to 60°;

Up to 2m furthest scanning distance, the medics can scan barcodes easily at high or distant position.

## Strong reception; 5G core

5G Wi-Fi, fast roaming. It could meet the needs of fast AP switching between one room to another.

The network runs smoother while the medics are in mobile nursing.

Octa-core 2.0GHz 5G chips, standard 64 GB(ROM)+ 4GB(RAM), together with industry-leading Android 11.0 OS, the whole machine works much faster and smoother than ever.

## Stable operation; Sturdy and durable

The blue texture design on the back enhances the gripping friction of the housing. The device will not slip off easily whether it is operated with wet hands or with gloves;

The IP67 protection level meets the wear resistance test of medical alcohol and medical hydrogen peroxide, which makes it convenient and worry-free for medics to clean the housing. The machine is durable to work longer service life.



Mobile nursing



Admission management



Execution of doctor's orders



SPD material management



Vaccine traceability



Drug traceability

# iData T2HC(5G) Specifications



## System configurations

|                            |   |
|----------------------------|---|
| Processor                  | Octa-cord 2.0GHz high performance processor   |
| OS                         | Android 11.0  |
| Memory (ROM+RAM)           | 64GB+4GB(standard), 128GB+6GB(optional)   |
| SIM                        | 3-choice dual-card slot, supports dual-card dual-standby<br>*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                     | 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 pixels rear camera + 300-thousand pixels sub-camera , 5-million pixels front camera, auto focus  |
| Flash lights               | 800mA flash light   |
| Keypads                    | 5 keypads in total; side scan key*2 side $\pm$ volume key*2, side power key*1   |
| Battery                    | Lithium battery 3.85V power supply, 4500mAh, detachable, Lithium battery 3.85V power supply, 4200mAh, detachable, NFC compatible, wireless charging;<br>*Executive standard: GB31241-2014                         |
| Audio                      | Built-in dual microphone (noise cancelling microphone)  |
| Charging                   | Type-C charging and pin port charging, it supports 18W fast charge  |
| Notification               | High-power speaker/vibration reminder/LED reminder/audio notification   |
| Fingerprint identification | Back fingerprint identification   |
| Vibration motor            | Built-in vibration motor  |
| Sensor                     | G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/Gyroscope   |

## Structural parameters

|              |                                   |
|--------------|-----------------------------------|
| Size (H*W*D) | 168mm*79mm*13.7mm (Thickest 25mm) |
| Weight       | 245g( battery included)           |

## Communication interface

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

## Environmental parameters

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

## 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<br>2G: B2/B3/B5/B8<br>3G: WCDMA: B1/B5/B8, CDMA BC0, TD-SCDMA: B34/B39<br>4G: FDD-LTE: B1/B3/B5/B7/B8/B20, TDD-LTE: B34/B38/B39/B40/B41<br>5G: N1/N3/N38/N41/N77/N78/N79 |
|                           | American Version:<br>2G: B2/B3/B5<br>3G: B1/B2/B4/B5, CDMA BC0/BC1 (U.S.)<br>4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41<br>5G: N1/N3/N38/N41/N77/N78/N79   |
| Wireless WAN (Data modes) | GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA   |
| WLAN Function             | /TD-SCDMA /TDD-LTE/FDD-LTE/SA/NSA/Sub6  |
| Bluetooth                 | Wi-Fi 802.11 a/b/g/n/ac (2.4G+5G dual-band Wi-Fi, fast roaming)   |
| GPS                       | Bluetooth 5.1   |
|                           | GPS/AGPS/Beidou/ Galileo/GLONASS/QZSS/GNSS  |

## 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 |

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



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# iData T2HC(4G) Specifications



## System configurations

|                            |   |
|----------------------------|---|
| Processor                  | Octa-cord 2.0GHz high performance processor   |
| OS                         | Android 11.0  |
| Memory (ROM+RAM)           | 64GB+4GB(standard), 128GB+6GB(optional)   |
| SIM                        | 3-choice dual-card slot, supports dual-card dual-standby<br>*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                     | 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 pixels rear camera + 300-thousand pixels sub-camera , 5-million pixels front camera, auto focus  |
| Flash lights               | 800mA flash light   |
| Keypads                    | 5 keypads in total; side scan key*2 side $\pm$ volume key*2, side power key*1   |
| Battery                    | Lithium battery 3.85V power supply, 4500mAh, detachable, Lithium battery 3.85V power supply, 4200mAh, detachable, NFC compatible, wireless charging;<br>*Executive standard: GB31241-2014                         |
| Audio                      | Built-in dual microphone (noise cancelling microphone)  |
| Charging                   | Type-C charging and pin port charging, it supports 18W fast charge  |
| Notification               | High-power speaker/vibration reminder/LED reminder/audio notification   |
| Fingerprint identification | Back fingerprint identification   |
| Vibration motor            | Built-in vibration motor  |
| Sensor                     | G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/Gyroscope   |

## Structural parameters

|              |                                   |
|--------------|-----------------------------------|
| Size (H*W*D) | 168mm*79mm*13.7mm (Thickest 25mm) |
| Weight       | 245g( battery included)           |

## Communication interface

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

## Environmental parameters

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

## 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

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|                           | 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                        |
| Wireless WAN (Data modes) | 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  |
| WLAN Function             | GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA /TD-SCDMA /TDD-LTE/FDD-LTE/SA/NSA/Sub6 |
| Bluetooth                 | Wi-Fi 802.11 a/b/g/n/ac (2.4G+5G dual-band Wi-Fi, fast roaming)                      |
| GPS                       | Bluetooth 5.0  |
|                           | GPS/AGPS/Beidou/ Galileo/GLONASS/QZSS/GNSS   |

## 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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