iData T2HC New-generation Medical Terminal

Achieving better nursing service

With the help of new generation of 4G medical terminals, real-time interconnection among patients, doctors, and nursing staff can be realized. The 4G networks can be used to upload/query patient information, and remote consultations can have medical teams achieve better nursing service.

New-generation 4G network enables faster connection between patients and medics

The 4G network allows medical workers to upload/query patients' conditions in real time, use efficient networks to quickly start remote consultations, and make nursing plans in time to provide guarantees for improving patients' conditions.

Larger touch control screen and HD camera to record and review patient information

The 6.21-inch HD large screen can display more patient information. The rear 16 million camera can clearly record every detail of the patient's condition, providing a reliable basis for the medical team to make nursing plans.

Powerful performance to meet nursing needs in the present and the future

With the great support of CPU, memory or Android version, the device can not only meet current nursing needs but also survive longer product circle to face future challenges.

Admission management

SPD material management

Drug traceability

Medical waste Management

T2HC (4G) Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 12.0 GMS
Memory (ROM + RAM)	64GB + 4GB
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
Camera	16MP rear camera + 0.3MP subcamera, support auto-focus/PDAF, 5MP front camera
Flashlight	800mA flashlight
Keypad	5 keypads: side scan key *2, side power key *1, side volume ± key *2
Battery	3.85V lithium battery, with 4500mAh, detachable 3.85V lithium battery, with 4200mAh, detachable, support NFC
Audio	Built-in microphone
Charging Method	Type-C charging and pin port charging, support fast charging of 18W
Reminder	Vibration reminder/LED reminder/high power speaker/Audio reminder
Vibrating Motor	Built-in vibrating motor
Fingerprint Recognition	Support back fingerprint recognition
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	288g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions
Storage Temperature	-40℃ - 70℃ (without the battery)
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	±15KV (air discharge), ±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	≧3.33mil
Scanning Angle	Pitch: ±60°; Skew: ±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: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8, CDMA&EVDO: 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&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/ac/r (2.4G + 5G dual-band Wi-Fi), support fast roaming, 5G PA amplifier
Bluetooth	Bluetooth 5.0, BLE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

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

Standard Accessories	USB cable*1, power adapter*1, device-back strap*1, battery*1
Optional Accessories	Power adapter(fast charging), 2-in-1 charging cradle, multifunctional 5-slot base, single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, fanny pack, protective film, hand strap*1

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

Battery

4500mAh, detachable design, support NFC

4200mAh, detachable design, support NFC

ps: every product comes with 1 unit, you can purchase extra unit

CHA-BTRY-T2-4500MA/4200MA

Device-back Strap

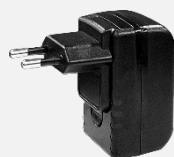Attach on the device back to help you hold the device easily and firmly, avoid accidental drops

MNT-BS-T2

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 |
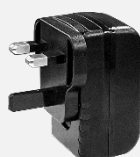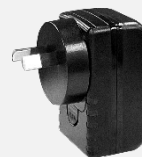
Improve management efficiency of devices and operational level of enterprises

Power Adapter (fast-charging)

Input voltage 100-240V, output 9V2A. Support plug types of China/Europe/UK/US/Australia, match with CHA-USBC-GNR

ps: choose one that fits your local standard

CHA-PWAD-GNR-9V2A-EU

Battery

4500mAh, detachable design. Support NFC

4200mAh, detachable design, support NFC

ps: every product comes with 1 unit, you can purchase extra unit

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

2-in-1 Charging Cradle

Support maximum charging of 1 main unit+1 battery at the same time. Match with multifunctional 5-slot base. Support plug types of China/Europe/UK/US/Australia

CHA-BTC21-T2

Multifunctional 5-slot Base

Support maximum charging of 5 units of 2-in-1 charging cradle at the same time. Support plug types of China/Europe/UK/US/Australia

CHA-MCRD5S-GNR

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

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

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

Official Website

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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

Hand Strap

Wear on your wrist to carry the device, avoid accidental drops, and assure the safety of equipment
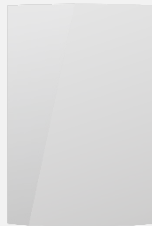
MNT-HS-GNR

T2HC Optional Accessories for Protection

Accessories Guide

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

Official Website