iData T3Pro HC

New generation Android high-performance healthcare terminal

Powerful performance, enhances the quality of healthcare industry

As a new generation of Android high-performance medical terminal, iData T3Pro HC has powerful core and overall performance, which can improve the work efficiency of nursing staff and the healthcare service experience of patients. A strong core enables healthcare workers to perform multiple tasks, such as mobile nursing, remote consultations, drug management, etc; Equipped with Wi-Fi 6, it enables devices to have better network communication capabilities, especially in hospitals with numerous devices. Greater network throughput and lower latency can improve the operational efficiency of medical staff.

Powerful performance, capable of handling more medical and nursing work

The newly upgraded high-performance octa-core 2.2GHz processor adopts 6nm technology, and the Antutu score can easily exceed 300000 *, enabling medical workers to handle more tasks such as mobile nursing, remote consultation, drug management, etc; Larger memory and flash support allow healthcare workers to pre-0install and run more programs for better operational support.

A scanning engine specially designed for medical scenarios to improve the efficiency of scanning operations

IData's latest generation self-developed scanning engine can quickly capture almost any one-dimensional/two-dimensional barcode of wristbands, infusion bags, drugs, test tubes, consumables, and assets, even if the barcode is corroded or contaminated by drugs or damaged; Improve the efficiency of reagent and drug management in medical nursing work.

Better network communication to avoid network congestion and lag

The device supports Wi-Fi 6 communication, which enables faster and more stable transmission of medical data, ensuring the timeliness and accuracy of medical information; Especially in environments with numerous hospital equipment, Wi-Fi 6 features larger bandwidth and network throughput which enables numerous mobile devices to access the network simultaneously, reducing network congestion and improving the overall operational efficiency of the healthcare system.

Inpatient management | SPD Material Management | Drug traceability | Medical waste management

*Due to limitations in the testing environment and Antutu version, specific benchmark data will be based on actual testing

T3Pro HC Technical Specifications

System Configuration

Processor	Octa-core 2.2 GHz high-performance processor
Operating System	Android 13.0 (AER)
Memory (ROM+RAM)	64GB + 4GB (standard), 128GB+8GB (optional)
SIM (eSIM: Not supported)	Two out of three SIM card slots, support dual-SIM 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) * WIFI ONLY!"#$%&'[]*'!+,-.!　*'/! %011'$/#2
Expansion Slot	Micro SD card (up to 2T)
Display Screen	5.5-inch, resolution: 1440*720 pixels IPS HD screen
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch
Camera	13 megapixels rear camera, support auto-focus/PDAF; 5 megapixels front camera
Flashlight	1A high brightness flashlight
Keypad	Scan key *2, power key *1, volume key*2
Battery	3.85V lithium battery, with 5000mAh, detachable, backup battery support；Execution standard: GB31241-2022
Audio	Built-in dual microphone (noise-cancelling microphone)
Charging Method	Type-C charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/high power speaker
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/ Proximity sensor/Light sensor/Gyroscope/High-precision barometer
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	162.2mm*78.5mm*15mm
Weight	288g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 55℃ *Do not charge under low temperature conditions
Storage Temperature	-40℃ - 70℃
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 1D/2D barcode
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：CDMA：BC0，WCDMA：B1/B2/B5/B8 4G：FDD-LTE：B1/B3/B5/B7/B8 TDD-LTE：B34/B38/B39/B40/B41 Global Version: 2G：B2/B3/B5/B8 3G：WCDMA：B1/B2/B4/B5/B8 4G：FDD-LTE： B1/B2/B3/B4/B5/B6/B7/B8/B12/B17/B18/B19/B20/B28A/B28B/B66 *WIFI ONLY version: Not supported
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA/TDD-LTE/FDD-LTE *WIFI ONLY version: Not supported
WLAN Function	Wi-Fi 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v/w/ax （dual-band Wi-Fi: 2.4G+5G), support fast roaming
Bluetooth	Bluetooth 5.2, support BLE
GPS	GPS/GLONASS/BDS/AGPS/Galileo/QZSS

NFC (Standard)

Working Frequency	13.56 MHz
Reading Distance	Within 35 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, back strap *1, power adapter*1, battery*1
Optional Accessories	2-in-1 charging cradle, multifunctional 5-slot base, 4-slot battery charging cradle, hand strap, fanny pack, protective film, protective case

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

Device-back Strap

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

MNT-BS-T3 Pro

Power Adapter

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

CHA-PWAD-9V2A-EU

Improve management efficiency of devices and operational level of enterprises

Battery

5000mAh, detachable design. Standard: GB31241-2014

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

CHA-BTRY-T3 Pro-5000MA

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

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-T3 Pro

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-K1

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

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-T3

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