



iData T5 HC

High-Performance Handheld Healthcare Mobile Terminal

Next-generation flagship performance, covering more medical scenarios

The iData T5 HC is a high-performance terminal PDA developed by iData specifically for the healthcare sector. Its powerful configuration delivers exceptional processing performance and a smooth operating experience, enabling efficient handling of patient data, medication management, task assignment, and various other medical tasks. Beyond its outstanding performance, the T5 HC incorporates multiple product designs tailored for medical scenarios, such as a pupil light, empowering healthcare professionals to complete their work more efficiently and with greater focus. With its professional capabilities, it serves as a capable assistant for healthcare digitization.

Superior Performance, Efficient Empowerment

The T5HC's expansive memory configurations—8GB+128GB or 6GB+64GB—ensure seamless multitasking performance. Featuring an 8MP front camera and a dual rear setup with a 16MP primary sensor and 3MP auxiliary lens, it delivers exceptional image capture capabilities. The integrated pupil light design enhances efficiency and fluidity for medical professionals. Equipped with an FHD full-high-definition display, high-speed Wi-Fi 6, and hot-swappable backup power functionality, its comprehensive suite of advanced features fully supports medical workflows.

Precision scanning, worry-free traceability

The T5HC features the iData professional scanning engine, supporting common barcode types in medical settings such as patient identification codes on wristbands and traceability codes on medication packaging. Enhanced by AI algorithms, it improves barcode reading success rates and speed even when barcodes are bent, folded, soiled, or reflective. Whether conducting ward rounds, managing medication inventory, or collecting specimens, it enables rapid scanning and recognition, ensuring data accuracy and timeliness.

Professional design, safe and reliable

T5HC features an exceptional protective design that withstands frequent cleaning and disinfection while effectively resisting chemical corrosion to maintain equipment hygiene. It has obtained multiple industry and medical certifications, ensuring rigorous quality and safety standards to deliver secure, reliable, and durable professional equipment for healthcare settings. The IP67 high protection rating and 1.5-meter drop test provide stringent assurance for stable device operation.



Hospital management



SPD material management



Medicine traceability



Medical waste management

*Due to limitations of the testing environment and AnTuTu version, actual benchmark scores may vary based on real-world testing.

T5 HC Technical Specifications

System Configuration

Processor	Octa-core 2.4 GHz high-performance processor
Operating System	Android 14.0
Memory (ROM+RAM)	128GB + 8GB (standard)
SIM	Select two out of three available SIM card slots, support dual SIM and dual standby * two cards can be inserted at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card
Expansion Slot	Micro SD card (up to 512GB)
Display Screen	6 inches, resolution: 2160*1080 pixels, IPS
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch
Camera	16MP rear main camera + 0.3MP auxiliary camera, support auto-focus/PDAF, 8MP front camera
Flashlight	1A flashlight
Keypad	6 keys in total: side scan key *2, side power key *1, volume key*2, custom key*1
Battery	3.87V lithium battery, with 5100mAh, detachable, backup battery; *Executive standard: GB31241-2022
Audio	Built-in dual microphone (noise-canceling microphone)
Charging Method	Type-C charging and pin port charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	Standard: G-sensor/ Proximity sensor/Light sensor/gyroscope/side fingerprint
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	163mm*77.7mm*14.95mm (thickest part: 17.8mm)
Weight	300g (including the battery)

Environmental Parameter

Working Temperature	-20°C - 55°C <small>*Do not charge under low temperature conditions for the safety concerns</small>
Storage Temperature	-40°C - 70°C (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)	2G : B2/B3/B5/B8 3G : WCDMA : B1/B2/B5/B6/B8/B19; CDMA 1X EVDO BC0 4G : FDD-LTE : B1/B3/B5/B7/B8/B18/B19/B20/B28AB; TDD-LTE : B34/B38/B39/B40/B41 5G : N1/N3/N5/N7/N8/N20/N28/N38/N41(PC2)/N66/N77/N78/N79
WWAN (Data Service)	GSM/GPRS/EDGE/UMTS/HSPA/HSPA+/WCDMA/TDD-LTE/FDD-LTE/SA/NSA/Sub6
WLAN Function	Wi-Fi 6 Wi-Fi 802.11 a/b/g/n/r/ac/ax/d/e/h/i/j/k/v/w (2.4G+5G dual band), support fast roaming, 2X2 MU-MIMO
Bluetooth	Bluetooth 5.2, LE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS, support L1+L5 dual bands, support SBAS

NFC (standard)

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, back strap *1, power adapter*1, battery*1
Optional Accessories	2-in-1 charging cradle, 4-slot charging cradle, 4-slot battery charging cradle, protective case, protective film

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-T5HC

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

Battery

5100mAh, detachable design. Standard: GB31241-2022

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



CHA-BTRY-T5-5100MA

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-T5

4-slot Charging Cradle

Support maximum charging of 4 main units at the same time.

Support plug types of China/Europe/UK/US/Australia



CHA-CRD4S-T5

4-slot Battery Charging Cradle

Support maximum charging of 4 batteries at the same time. Support plug types of China/Europe/UK/US/Australia



CHA-CRD4B-T5

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-T5

Protective Case

Protective case for the main unit. It can prevent the malfunction of main unit in case there's any accidental drops or impact during usage



Right angle: PRT-PTC-T5HC