



# iData 70

Extendable Android terminal

## Assist workers of different positions

Workers have different demands based on their positions. If all devices have to be customized, it will increase your budget and take longer time to fulfill. Why not consider just one device with extendable ability to meet all your needs? iData anticipates the challenges and develop this extendable Android terminal which can benefit your business by just simple customization.

### Extendable back clip design for workers in different positions

iData 70 has an extendable back clip design which can add common modules, such as ID card reading module, UHF module and HF module. Furthermore it can also support customized module of your enterprise, serving all demands of workers in different positions.

### Comprehensive functions to meet common needs

iData 70 has all frequent-used functions, including scanning, photographing, 4G network, Wi-Fi, Bluetooth etc. to meet common needs of workers. With the help of one-key voice call, it can connect all workers easily to improve teamwork efficiency.

### 28° tilted angle for scanning and verification within seconds

The scanning engine is tilted at 28°, so workers can read information on screen directly without adjusting screen angle right after scanning. The scanning and verification can be done simultaneously.



Store management



Inventory Management



Ticketing management



Production management

# 70 Technical Specifications

## System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 10.0
Memory (ROM + RAM)	16GB + 2GB (standard), 64GB + 4GB (optional)
SIM	Single SIM card (optional ESIM)
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	4-inch, resolution: 800*480 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels of rear camera (optional: 13 megapixels), support auto-focusing(with LED fill-in light)
Flashlight	800mA flashlight
Keypad	24 keypads: front key*20, side scan key *2, side customized key *2 (internal transmission light industrial IMD keyboard)
Battery	3.8V lithium battery, with 5000mAh, detachable
Audio	Built-in 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	G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/ Gyroscope
Intercom Function (Optional)	Support one-button PTT calls

## 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 (The United States) 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/r/ac (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

## Structure Parameter

Dimension (L*W*D)	159mm*71mm*20mm (without extension clip) 160mm*71mm*36.5mm (with extension clip)
Weight	262g (with battery, without extension clip) 388g (with battery, with extension clip)

## Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety concerns
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
Ingress Protection	IP65
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

## NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 10 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

## Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

## Accessories (More details in accessories guide)

Standard Accessories	USB cable*1, power adapter*1, device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, fanny pack, protective film

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Each product comes with a pack of practical and cost-effective accessories

## USB Cable

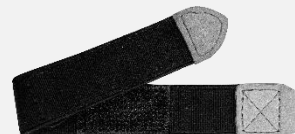
Type-C to USB cable, 1m in length, support charging and data transmission



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-70

## 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 as below



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

## Battery

5000mAh, detachable design.

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



CHA-BTRY-70-5000MA

## 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-70

### Battery

5000mAh, detachable design.

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



CHA-BTRY-70-5000MA

### 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-70

### 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-70

### 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-70

**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

**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-70

### 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



PRT-PTC-70

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