iData P1 Enterprise-level Smart Terminal

Upgrade leading-edges of enterprise workers

iData P1 is a new generation of industrial Android tablet. It features large screen, ultra-thin, sturdy, high performance and high expansion. It supports the expansion of external accessories on the back, bottom and right side. It can be used in both fixed and mobile way. It has been widely used in store management, warehouse management, production management, equipment inspection etc.

10.1-inch screen, convenient for users to work

Whether inventory in the warehouse or working on the production line, the large screen enables you to view the data chart clearly, and even multi-tasking. This greatly improves the work efficiency. The raised plastic around it can effectively protect the screen from falling.

Various interfaces to meet customized needs

The interfaces on the bottom, back, and right side enables the device to upgrade more functions through accessories expansion. The device can be connected to the base, screen to meet the customization needs in different scenarios.

Ultra-thin body, easy to use

Only 14.9mm in thickness, and the ultra-thin body can be easily put into bag, convenient to bring, easy to fix on the bracket and disassemble.

Store Management | Inventory management | Receiving and Delivery | Production management

P1(4G) Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0
Memory (ROM+RAM)	64GB + 4GB (standard)
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	10.1-inch, resolution: 1920*1200 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	13 megapixels rear camera, support auto-focus; 8 megapixels front camera
Flashlight	800mA flashlight
Keypad	4 keypads in total: scan key *1, power key *1, volume key*2
Battery	3.85V lithium battery, with 10000mAh, detachable, back-up battery support
Audio	Built-in dual microphone
Charging Method	Type-C charging and pin-port charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/high power speaker/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/Light sensor/Geomagnetic sensor/ Gyroscope
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	244.8mm *163.6mm *14.9mm
Weight	960g (including the battery)

Environmental Parameter

Working Temperature	-10℃ - 50℃ *Do not charge under low temperature conditions for the safety Concerns
Storage Temperature	-30℃ - 70℃
Humidity	10%- 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.2m
Roller Drop Specification	300 times of roller drops from a height of 0.5 meter
Ingress Protection	IP65
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Accessories (More details in accessories guide)

Standard Accessories	USB cable*1, device-back strap *1, power adapter*1, battery*1
Optional Accessories	Charging dock, extension dock, protective film

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/B8 4G：FDD-LTE: B1/B3/B5/B8，TDD-LTE: B34/B38/B39/B40/B41
WWAN (Data Service)	GSM/GPRS/WCDMA/TDD-LTE/FDD-LTE
WLAN Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi)
Bluetooth	Bluetooth 4.2
GPS	GPS/AGPS/BDS/Galileo/GLONASS

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

Communication Interface

USB Interface	Type-C (with headset function) *1, USB3.0, Type-A*1, Micro HDMI interface *1
OTG Interface	Support

Official Website

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

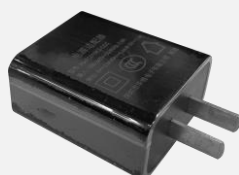Attach on the device back to help you hold the device easily and firmly, avoid accidental drops

MNT-HS-GNR

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-P1-9V2A

Battery

10000mAh, detachable design

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

CHA-BTRY-P1-10000MA

Improve management efficiency of devices and operational level of enterprises

Charging Dock

Support charging for 1 main unit. The device starts charging when matching with CHA-USBC-GNR and CHA-PWAD-P1-9V2A-CN accessories.

CHA-CHAD-P1

Extension Dock

Support charging for 1 main unit. Support 3 Type-A interfaces, 1 Type-B interface, 1 RS232 interface, 1 RJ45(1000Mbps)interface. It can be used to expand other accessories.

ps: you may have one of the power adapters

CHA-EXTD-P1

Lower risks of malfunction during usage, extend the 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-P1