iData P1

Customized for users,
Dedicated to scenarios

Industry-leading configuration, ultra-high performance

Equipped with octa-cord 2.0GHz high performance CPU and industry-leading Android 11.0, the device performance has been improved significantly, which runs more smoothly;

Standard 64GB (ROM) + 4GB (RAM), multi-tasking without delay. The device uses DDR4 memory, which memory frequency is higher and operation is faster;

New generation self-innovative scanning engine, 3 times faster in decoding than that of camera. It can be more efficient for user in inventory, inbound and outbound, quality inspection;

2.4G+5G dual-band Wi-Fi supports fast roaming, and the network is faster. When it has to move in a large area at work, it will not be stuck due to AP switching.

Ultra-thin large screen to enhance user experience

The thickness is only 14.9mm, this ultra-thin machine can be easily inserted into the bag, easy to carry, easy to install and fix on the stand, and easy to disassemble;

10.1-inch large HD screen, 1920*1200 resolution. With a wider screen, the data charts come clearly into view, and it supports multiple tasks on the same screen.

Equipped with a 2W high power speaker, all prompts including scanning, operating feedback and voice communication could be listened clearly even in a noisy environment.

More expansion options, focusing on users' scenarios

It supports base extension, The base can be connected by Ethernet cable or power cable, which is more convenient for cashier at the front desk;

External NFC supports the identification of second-generation ID cards and social welfare cards, and can quickly read personnel identity information in store management and production management;

It supports built-in infrared expansion, which can be used as an infrared meter reading device, quickly complete the reading work of water/electricity/gas meter;

The built-in centimeter-level precise positioning module can meet the professional scenarios of high-precision positioning requirements such as engineering surveying and mapping, power measurement, railway inspection, agricultural and forestry operations.

Sturdy and durable to enhance user experience

IP65 + 1 meter concrete impact resistant. Users can enjoy a worry-free experience because of the sturdy protection for the whole machine, which is in line with industrial protection standards;

10000mAh removable large battery, which can be used for more than 14 hours, covering the needs of nearly two shifts;

To avoid the power off and restart of the device due to accidental drops, it has a super large backup power support. There's no need to turn off when replacing the battery, saving time from restarting the machine.

Store management	Mobile cashier	Price inquiry	Inventory management
Warehouse management	Inbound and outbound management	Path planning	Cargo tracking

iData P1 Specifications

System configuration

Processor	Octa-cord 2.0GHz high performance processor
OS	Android 11.0
Memory (ROM+RAM)	64GB+4GB (standard) , 128GB+6GB (optional)
SIM	3-choice dual-card slot, supports dual-card dual-standby
	*3-choice dual card slot means two cards can be inserted at
	the same time, it could be either Nano SIM card+Nano Sim card
	or nano SIM card + TF card.
Expansion slot	Micro SD card (up to 512GB)
Screen	10.1 inches, resolution 1920*1200 pixels
Touch screen	Industrial-grade capacitive screen. It supports wet-hand/gesture /multi-touch/glove modes
Camera	13-million pixels rear camera, 5-million pixels front camera, auto focus
Flash lights	800mA flash light
Keypads	4 keypads in total; side scan key*1 side ±volume key*2, power key*1
Battery	Lithium battery 3.85V power supply, 10000mAh, detachable,
Audio	backup battery compatible
Charging	Built-in dual microphone
	Type-C charging and pin port charging, it supports 18W fast charge
Notification	High-power speaker/vibration reminder/LED reminder/audio notification
Vibration motor	Built-in vibration motor
Sensor	G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/Gyroscope

Structural parameters

Size (H*W*D)	244.8mm *163.6mm *14.9mm
Weight	960g(battery included)

Environmental Parameters

Working Temperature	-10°C~50°C
	*Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-30°C~70°C (battery not included)
Humidity	10~90% (No condensation)
Impact resistant specification	1m multiple concrete impact resistant
Roller drop specification	300 times 0.5m roller drop at high position
Ingress Protection	IP65
Electrostatic protection	±15KV (air discharge) , ±8KV (contact discharge)

Scanning Engine

Barcode type	It can scan one dimension /two-dimension 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

Wireless WAN (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
Wireless WAN (Data modes)	GSM/GPRS/WCDMA/TDD-LTE/FDD-LTE
WLAN Function	Wi-Fi 802.11 /a/b/g/n/ac (2.4G+5G dual-band Wi-Fi)
Bluetooth	Bluetooth 4.2
GPS	GPS/AGPS/Beidou/ Galileo/GLONASS

NFC (standard)

Frequency	13.56MHz
Reading distance	Within 60mm
Communication protocol	ISO14443A/14443B/15693

Development support

Programming language	Java
Development API	iScan API (Scanning Development kits) ,
	Device API (Devicemanagement/configuration development kits) ,
	Android standard interface
Development tools	Eclipse/Android Studio

Communication Interface

USB interface	Type-C (with earphone function) *1, USB 3.0
OTG interface	Type-A*1, Micro HDMI interface*1
	Compatible

Accessories

Accessories (standard)	USB cable*1, power adapter *1, back strap *1
Accessories (optional)	/

Note: As the product line is updating from time to time, the information in this document is subject to change without notice.