iData K3 Mobile Intelligent Terminal

Practical and efficient in more scenes

➤ **Key design for easy-to-operate**

The key area and key display can be maximized without changing the user's best holding feeling, so that your employees can use the keyboard to input and control effectively to reduce mistouching, improve accuracy and thus improve efficiency;

The core operation area of the entire keys is designed at a golden section ratio, especially the scanning button with high frequency operation falls on the golden section point, so that users will not get tired when they press the key frequently;

It is applied with IMD wear-resistant keyboard and ultra-long life keys. The key service life of more than 2 million times, which can give you an opportunity to use longer with less cost;

The layout and stroke of common keys for holding conform ergonomics, and the specially designed full-function 24-key support is more in line with customer usage habits and convenient for users to operate with one hand;

It is applied with oversized double scan code key, oversized exclusive PTT key and customizable key setting meeting the personalized needs of users.

➤ **Comfortable holding and interactive design**

What's more, the terminal also is fitted with custom-designed back texture and supporting textures in different areas, so that users can get a better friction impression about the back cover of the device when holding the device, which can prevent slip and reduce fatigue after holding it for a long time.

The screen has a 180 ° rotation function, when the user turn the device upside down to scan barcode, no need to turn around, but also easy to read the information on the screen;

The professional top super highlighting scanning indicator light allows users to know the results as quickly as possible in a noisy environment, making the operation more efficient and humanized;

It is designed with a 1.5 W high-power speaker and exclusive sound cavity that whether the prompt tone of scanning or other functions, it can be clearly heard through PTT, and the front and rear double noise reduction microphones help better receive when speaking with PTT;

The screen is designed with the industrial-level capacitance touch screen and supports wearing gloves and screen touch with dry and wet hands, and multi-point and gesture operation. Users do not have to take off their gloves to normally operate the screen, thus greatly saving time;

➢ **Scanning function applicable to multiple scenes**

iData self-developed scanning engine has a wider recognition scope, higher fault tolerance of sports and easily read the difficult barcodes. With the aid of the device, users are easy and efficient in scanning the code in the high-speed conveyor belt or scanning the barcodes hard to recognize, such as DPM code.

iData self-developed scanning processing software allows users to configure personalized parameters with Setting, experience and test scanning functions, and it can rapidly connect with application, helping users perform targeted adaption, test and development in various scenes.

➢ **Efficient core platform supporting multiple extensions**

The CPU of 8-core, 2.0 GHz and 12nm technology ensures a smoother operation, faster decode speed and less power consumption of the equipment. With standard configuration 3GB (RAM) and 32GB (ROM), it runs more software at the same time, with smoother system and more convenient memory;

The terminal supports extensions like UHF and NFC, which can meet the requirements of customers in different scenes such as card swiping and ID card information collection, broadening the application of equipment to a greater extent;

➢ **Long battery life fearless of challenges**

5000mAh detachable super-large battery will provide more powerful battery volume, which can easily meet the needs of 1.5 shifts. Users can directly replace the battery for use again when power fails;

With a 65mAh super-large backup power scheme, it supports at least 5 minutes to keep the device running without battery. In view of power failure caused by high and low temperature and falling, or hot plug, it ensures that the equipment is still open with no loss of data;

It supports up to 18W fast charging that can complete the charging of the next shift during the shift change without delaying the operation, improving the utilization rate of equipment and accelerating the turnover efficiency of equipment.

Market application

Retail
- Store management
- E-commerce shipment

Logistics
- Warehouse management
- Inventory management

Manufacturing
- Production management
- Production line traceability

Public utilities
- Inventory of fixed assets
- Ticket management

System setting

Processor	8-core 2.0GHz high-performance Processor
Operating system	Android 11.0
Memory (ROM+RAM)	32GB +3GB, 16GB + 2GB / 64GB + 4GB / 128GB + 6GB are optional
SIM	2*Nano SIM card
Expansion slot	Micro SD card (maximum 256G)
Display screen	4" IPS HD Retina Screen with Resolution of 800*480
Touch screen	The screen is designed with the industrial-level capacitance touch screen and supports wearing gloves and screen touch with wet hands, and multi-point and gesture operation
Camera	13 million rear camera, 5-megapixel front camera (optional), supporting auto focus
Flashlight	800mA highlight flashlight
Keyboard	Side: 2* scan key, 1* custom key, 1* power key, and function number (24 keys)
Battery	3.85V, 5000mAh lithium battery, detachable; support backup power *Executive standard: GB31241-2014
Audio	Built-in dual microphone (noise reduction microphone)
Charging method	Type-C and bottom clamp, supporting 9V/2A, 5V/3A, 5V/2A charging
Tips	High power horn/scanning prompt LED/charging prompt LED/vibration prompt
Vibrating motor	Built-in vibrating motor
Sensor	G-sensor, proximity sensor, light sensor
Intercom function (optional)	One-button PTT calls

Structure parameters

Dimensions (LxWxD)	162mm*68mm*19mm
Weight	278g (including battery)

Communication transmission

WWAN (Network frequency)	Domestic & Eurasian version 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8 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 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data service)	GSM/GPRS/EDGE/UMTS/HSPA/HSPA+/WCDMA/TD-SCDMA/TDD-LTE/F DD-LTE
WLAN	Wi-Fi 802.11a/b/g/n/r/ac (dual-frequency Wi-Fi: 2.4G+5G) Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0
GPS	GPS/AGPS/Glonass/BDS/Galileo/QZSS

Working environment

Supported language	Android standard interface, java, secondary development SDK, API and DEMO
Working temperature	-20℃ ~ 60℃
Storage temperature	-40˚C -70˚C (excluding battery)
Humidity	0-95% (Non-condensing)
Drop specification	Multiple drops to concrete floor from the height of 1.5m
Roller drop specification	0.5m rolling of 500 rounds (equivalent to 1,000 impacts)
Protection grade	IP65

ESD protection	±15KV (air discharge), ±8KV (contact discharge)

Scanning engine

Barcode support	Support one-dimensional/two-dimensional barcode scanning
Scanning accuracy	$\geqq 3.33$mil
Scanning angle	Pitch: ±60°; Tilt: 360°; Skew: ±45°
View angle	Horizontal: 44.3°; Vertical: 28.4°
Motion tolerance	8m/s

NFC (Optional)

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

Input/output interface

USB interface	Type-C, with headset
OTG interface	Support

Peripheral devices and accessories

Standard accessories	USB cable, power adapter, Hand strap, Elastic-strap
Optional accessories	Bottom charging cable, Single cradle, Waist Bag

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