

iData K8 Mobile Intelligent Terminal

Industrial customized terminal. Leading powerful success.



➤ Powerful & Portable

- ◆ iData K8 is backed by an international standard rating of IP68. With excellent dustproof and waterproof, support -20 °C ~ 60 °C temperature environment for a long time work, so that users can apply the equipment normally in both dust workshop and high temperature one;
- ◆ The product is equipped with the drop protection of 1.8-meter concrete floor and 1-meter roller drop standard for 1,000 times. The whole body boasts double-color injection molding, ebonite supporting structure, and flexible glue buffer strength, so as to better protect the body shell from damage in case of drop, and protect the internal components by collision. Therefore, those employees who work in high position can use it safely, and do not have to worry about falling;
- ◆ It is applied with IMD wear-resistant keyboard and ultra-long life keys. Its key service life is more than 2 million times, which can give you an opportunity to use longer with less cost.
- ◆ Only 440g in weight, in this ultra-high protection products with a lighter weight, strong and lightweight perfect combination, so that your staff more comfortable to use.

➤ Comfortable Interaction and Ergonomic Design

- ◆ It presents large key area and display. What's more, it is equipped with specially designed full-featured 29-keys, including two-way scan code + full-featured volume plus/minus + exclusive PTT. Users can operate it more conveniently through customizing the keys according to their own habits;
- ◆ 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. Employees do not have to take off their gloves to normally operate the screen, thus greatly saving time;
- ◆ The professional three-side highlighting scanning indicator lamp design may make the scanning sense

immediately reached by touch. By grasping it in the side, the positive side and the back side, users may immediately obtain the scanning results. Through the 2W high-power loudspeaker and exclusive tune trope design, users may clearly hear the scanning prompt tone even in the noisy production workshop. The combination of multiple prompting modes enable users to rapidly obtain feedback through scanning in any posture.

- ◆ The exclusive PTT intercom-system of iData may start voice communication with one key. It may allow the simultaneous access of over 50,000 people at most, and simultaneous communication of over 15,000 people. It is installed with the front and back double-denoising microphone and 2W high-power loudspeaker, so as to make voices clearer when users in a noisy environment.
- ◆ Both wrist pad and grip position, including the common key layout and key procedure after grip, have been introduced the professional ergonomic design. The back texture design keeps more in line with users' using habits, so that users won't feel tired after using it for a long time.

➤ **Multiple scanning designs are applicable to complicated scenarios**

- ◆ iData self-developed scanning engine has a wider recognition scope, higher fault tolerance of sports and easily handles the barcodes which hard to read. With the aid of the device, you are easy and efficient in scanning the code in the high-speed conveyor belt or scanning the hard recognize barcodes, such as DPM code.
- ◆ It supports the scanning engine of 21.4m for the farthest. It may immediately reach the large-scale warehouse or high-level storage rack that requires long-distance operation by scanning it, so that users do not have to run back and forth or climb onto the storage rack, thus saving the work time.
- ◆ This product can set be a 25 ° one-dimensional scanning angle, which can adjust the parameters in accordance with your scene. It is more convenient for the operation that needs a certain scanning angle for a long time.

➤ **Battery life management beyond your imagination**

- ◆ 6700mAh detachable super-large battery will provide more powerful battery volume, which can easily meet the needs of two shifts. Users can directly replace the battery when power fails;
- ◆ The device supports hot-swap battery replacement. There is no need to shut down and restart when replacing batteries, so that your device can always keep on the working state;
- ◆ It supports the fast charge of 18W at most, with rapid charging speed and short charging duration, which can speed up the charging turnover efficiency of the equipment and the operation progress;
- ◆ The exclusive power management iData OS 3.0 can lower the power consumption and increase the battery life. Meanwhile, it supports the accurate battery volume detection scheme, enables users to monitor the battery volume information in real time, and facilitate the management of working time and electricity control.

Market application

Logistics

- Out-/ in-put warehouse management
- Inventory management
- Shelves shift

Manufacturing

- Production management
- Production line traceability

Public utilities

- Oil/gas/electricity management
- Field supervision

System setting

Processor	8-core 2.0GHz high-performance Processor
Operating system	Android 11.0
Memory (ROM+RAM)	32GB +3GB, optional 16GB + 2GB / 64GB + 4GB / 128GB + 6GB
SIM	Double Nano SIM card
Expansion slot	Micro SD card (up to 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	The rear camera has 13 million pixels and can focus automatically. The front camera has five megapixels
Flashlight	800mA highlight flashlight
Keyboard	Side: 2* Scan key, 1* PPT key, 2* Volume key Optional: Front numbers (29 keys), functional numbers (38 keys), and alphanumeric numbers (47 keys)
Battery	It is equipped with a detachable 3.85V, 6700mAh lithium battery, which supports hot-swap battery replacement.
Audio	Built-in dual microphone (noise reduction microphone)
Charging method	Type-C and bottom clamp, supporting 9V/2A, 5V/3A, 5V/2A charging
	High power horn/Three-side scanning prompt LED/Charging prompt LED/Vibration prompt
Vibrating motor	Built-in vibrating motor
Transducer	G-sensor, proximity sensor, light sensor
Intercom function (optional)	One-button PTT calls

Structure parameters

Dimensions (LxWxD)	205mm*76mm*31mm
Weight	440g (including battery)

Communication transmission

WWAN (Network frequency)	Domestic & Eurasian version 2G: B2/B3/B5/B8 3G: WCDMA:B1/B5/B8, CDMA BC0, TD-SCDMA:B34/B39 4G: FDD-LTE:B1/B3/B5/B7/B8/B20,TDD-LTE:B34/B38/B39/B40/B41 North American version 2G: B2/B3/B5 3G: B1/B2/B4/B5, CDMA 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	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 LE
GPS	GPS/AGPS/GLONASS/BDS/Galileo/QZSS

Service environment

Supported language	Android standard interface, Java, secondary development SDK, API and DEMO
Working temperature	-20°C ~ 60°C
Storage temperature	-40°C ~ 70°C
Humidity	0-95% (Non-condensing)
Drop specification	Multiple drops to concrete floor from the height of 1.8m
Roller drop	1-meter roller drop for 1,000 times

specification	
Protection grade	IP68
ESD protection	±15KV (air discharge), ±8KV (contact discharge)

NFC (Optional)

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

Input/output interface

USB interface	Type-C, with headset
Charging interface	8pin charging port
OTG interface	Supporting

Peripheral devices and accessories

Standard accessories	USB cable, power adapter, Hand strap, Elastic-strap
Optional accessories	Pistol grip, Pistol grip (with battery), Bottom charging cable, Single cradle, 4-slot device cradle, 4-slot battery cradle, Carry case



WUXI IDATA TECHNOLOGY COMPANY LTD.

11/F, Building B1, Binhu National Sensor Information Center, No.999, Gaolang East Road, Wuxi

Tel: 4008-838-268

Website: www.idataglobal.com