

iData K1 Pro Mobile Intelligent Terminal

Flagship Performance for Various Complex Situation



➤ Practical performance for complex situations

The self-developed and updated scanning engine does not need control of bar code location and focal length switching, thus helping your employees rapidly read whether they are bending over, standing or operating the forklift, which greatly meets the requirements of employees in multiple situations.

The new Bluetooth 5.1 supports service of direction finding function and centimeter-level location, which can help your employees to quickly find the location of goods in complex environments such as stores and warehouses, reducing the wasted time of blind searching, and making the management of goods more efficient.

1.5m concrete drop protection and IP65 rating waterproof protection, iData device in long-term stable use so the staff no need to worry about the device's safety performance and it can be used in a variety complex environment.

➤ Multiple communication methods for easier management

Supported by WiFi 6 Ready, MIMO technology, and simultaneous communication with 8 devices, this device can be compatible with 2.4G + 5G dual-frequency Wi-Fi, which can effectively solve difficulties of data congestion and delay, and enable your employees to maintain stable communication of devices in the environment of numerous obstacles or signal interference with zero delay and no disconnection.

4G Full Netcom, with ultra-full domestic and foreign network types, can ensure the efficient transmission of information whether indoors or outdoors. The back-end IT managers can quickly receive the collected information even if employees are far away from the office.

With one-button PTT intercom service transmitting signals through Wi-Fi or wide area network, employees can call in time for work communication no matter where they are.

➤ Flagship configuration for longer service life

iData K1 Pro get the top hardware configuration such as CPU, memory, scanning head, etc. Not only in features excellent performance but also extend product lifecycles. Compare device which are the same grade pricing in the market, iData K1 pro can be worked for longer time.

There is a new Android 10.0 system, and CPU can support at least Android 13.0 version, so that your device can be upgraded. At the same time, optimization of iData's system can ensure that the higher version of the system is still compatible with your software, so that you do not pay unnecessary expense when upgrading.

➤ **Professional application bringing enterprises with higher efficiency**

The core black technology - Smart light 2.0 - can increase the decoding speed by 50%, up to 1,200 decoding times per minute, thus helping your company with efficient capability of data collection.

Exclusive "MDM", "MAM" and "SEC" hardware management platforms can enable your company to complete device management at a lower cost when purchasing in large quantities.

Market Application

Retail

- Sales shift
- Mobile cash register

Logistics

- In-warehouse management
- Inventory management

Manufacturing

- Production management
- Production line traceability

Health care

- Vaccine traceability
- Drug traceability

Public utilities

- Law enforcement
- Meter reading/patrol inspection



System Configuration

Processor	8-core 2.0GHz high-performance processor
Operating system	Android 10.0
Memory (ROM+RAM):	32GB +2GB, optional 32GB + 3GB/64GB + 4GB/128GB + 6GB
SIM	Single SIM card
Expansion slot	Micro SD slot (up to 512GB)
Display screen	4 inches, resolution of 800*480 IPS
Touch screen	Industrial capacitive screen (supporting wet hand operation and glove mode)
Camera	13 megapixels rear camera with auto focus and PDAF supported. The highlight flash is compatible with 8 megapixels camera
Flashlight	800mA flashlight
Keyboard backlight	White
Keyboard	IMD wear-proof 26 keys, wear-proof, internal transparent industrial IMD keyboard
Battery	3.8V lithium battery, with 4400mAh, detachable
Audio	Built-in microphone
Prompts	High power horn/scanning prompt LED/charging prompt LED/vibration prompt
Vibrating motor	Built-in programmable vibration motor
Sensor	G-sensor, proximity sensor, light sensor, geomagnetic sensor, and gyroscope
Intercom function (optional)	Supporting one-button PTT calls

Structure parameters

Dimension (LxWxD)	168mmx71mmx26mm
Weight	270g (including battery)

Communication transmission

Wireless wide area network (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 (America) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
Wireless wide area network (Data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA/TD-SCDMA/TDD -LTE/FDD-LTE
Wireless local area network	Wi-Fi 802.11a/b/g/n/r/ac/ax ready (supporting WiFi 6 ready) Supporting 1X1 MIMO WiFi 5G PA Amplifiers
Bluetooth	Bluetooth 5.1 supporting BLE
GPS	GPS/AGPS/Glonass/BDS/Galileo/QZSS

Operating Environment

Supported languages	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 1.5m
Roller drop specification	0.5m rolling of 500 rounds (equivalent to 1,000 impacts)
Protection level	IP65
Electrostatic protection	±15KV (air discharge), ±8KV (contact discharge)

NFC (Optional)

Frequency	13.56 MHz
Reading distance	Within 30mm
Communication protocol	ISO14443A/14443B/15693

Input/output Interface

USB interface	1, with a 2pin charging interface
Charging interface	Type-C, with headset function, transmission speed USB 3.1
OTG interface	Support

Peripheral devices and accessories

Standard accessories	Lithium polymer battery, power adapter, Retractable-strap, hand strap, USB cable
Optional accessories	4-slot battery cradle, Single cradle, Bottom charging cable, 4-slot device cradle, Pistol grip

**WUXI IDATA TECHNOLOGY COMPANY LTD.**

11/F, Building B1, Binhu National Sensor Information Center, No.999, Gaolang East Road, Wuxi City
Tel.: 4008-838-268
Website: www.idataglobal.com