



iData K8

Flagship industrial dedicated terminal

Strong & lightweight combination

IP68, No matter in dust free or high temperature workshop, the device could keep functioning as usual; 1.8 m concrete ground impact resistant + 1000 times tumbling tests, you could feel at ease to use it in high position operation; IMD wear resistant keypads + Ultra long lifespan key design, you could use the device for longer time without extra re-purchase cost.

Comfortable interaction and ergonomic design

Professional ultra-bright indicator light on three sides, scanning result could be attainable at once by any ways of gripping;

2W high-power speaker, plus dedicated vocal design, you could recognize the warning tones or multiple hints even in a noisy workshop;

PTT(Push To Talk) voice communication,with a front-back double noise reduction microphone and 2W speakers, people could talk or receive voice feedback in a noisy environment.

Suitable for complex environment

iData self-innovated scanning engine could read a wider range, higher sporty fault tolerant capacity, and easier to scan the hard-to-recognized barcode;

21.4 meters maximum scanning distance. It facilitate staffs' work especially for large warehouse or high good shelf.

Battery life, beyond your imagination

6700mAh detachable battery could last 2 shift,and continuously use just by a battery replacement. You don't need to turn off or restart the device while replacing battery;

iData OS 3.0, which has upgraded iData dedicated battery management. It supports real-time monitoring of the battery information.



Main application areas



Manufacturing



Warehouse management



Water/electricity/gas meter reading



Inspection

System configuration

| | |
|------------------|--|
| Processor | Octa-core 2.0 GHz |
| Operating system | Android 11.0 |
| Memory (ROM+RAM) | 64GB + 4GB (standard) |
| SIM | Dual SIM card |
| Expansion slot | Micro SD card, up to 256 GB |
| Display screen | 4-inch, resolution: 800*480 pixel |
| Touch screen | Industrial capacitive screen, supporting wet hand operation /multi-touch + gesture operation |
| Camera | Rear 13 million pixel camera, front 5 million pixel camera, support auto focus |
| Flashlight | 800mA flashlight |
| Keyboard | 34 keypads in total: front key*29, side scan key *2, side PTT key *1, side \pm volume key *2 |
| Battery | Lithium battery 3.85V power supply, 6700mAh, detachable, backup power support *Executive standard: GB31241-2014 |
| Audio | Built-in dual microphones (noise reduction microphone) |
| Charging | Type-C charging and pin port charging, 18W fast charging |
| Prompts | High-power speaker/vibration reminder/LED reminder |
| Vibrating motor | Vibrator built-in |
| Sensor | Gravity sensor (G-sensor) / Proximity sensor / Light sensor |

Structure parameters

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|-------------------|--------------------|
| Dimension (L*W*D) | 205mm*76mm*31mm |
| Weight | 440g(With battery) |

Communication transmission

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|---|--|
| Wireless wide area network (Network frequency) | Asia & Europe 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 America 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 |
| WLAN | Wi-Fi 802.11a/b/g/n/r/ac (2.4G+5G dual-band Wi-Fi) ,Wi-Fi 5G PA |
| Bluetooth | Bluetooth 5.0+BLE |
| GPS | GPS/AGPS/Beidou/Galileo/GLONASS/QZSS |

NFC (Optional)

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

Operating environment

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|---------------------------|---|
| Working temperature | -20°C~60°C *For your safety, please do not charge in a low temperature environment |
| Storage temperature | -40°C~70°C (Without battery) |
| Humidity | 5%~95% (no condensation) |
| Drop specification | 1.8m concrete floor drop |
| Roller drop specification | 500 times of roller drops from a height of 1 meters |
| Protection level | IP68 |
| Electrostatic protection | \pm 15KV (air discharge), \pm 8KV (contact discharge) |

Scan engine

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|-----------------------|---|
| Barcode | Support 1D/2D scanning engine |
| Scanning accuracy | \geq 3.33mil |
| Scanning angle | Tilt \pm 60°; Deflection \pm 60°; Rotation 360° |
| Angular Field of View | Horizontal: 44.3°; Vertical: 28.4°; Diagonal: 51° |
| Motion tolerance | 8m/s |

Input/output interface

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|---------------|------------------------------------|
| USB interface | Type-C (with earphone function) *1 |
| OTG interface | Supporting |

Development support

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|----------------------|--|
| Development language | Java |
| API | iScan API (Scan Development Kit), Device API (Device Management/Configuration Development Kit), Android standard interface |
| Development tool | Eclipse/Android Studio |

Accessories

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|----------------------|--|
| Standard accessories | USB cable*1, power adaptor*1, hand strap*1, wrist strap*1 |
| Optional accessories | Single cradle, device 4-slot charging cradle, battery 4-slot charging cradle, pistol grip, protective case |

NOTE: 1. The iData products and software service availability may differ by region. 2. The information of iData products and software service may change. 3. Please contact your iData sales representative for details. Ver: 2021V4

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