iData Product Manual

About iData

iData, founded in 2010, is a globally leading IoT device manufacturer of intelligent hardware innovation, a China national-level technically advanced small and medium-sized enterprise, an intellectual property advantageous enterprise, and a national-level high-tech enterprise. iData is dedicated to the field of Automatic Identification and Data Collection (AIDC), and is committed to the development and manufacture of intelligent terminals, including Personal Digital Assistants (PDA), industrial tablets, scanners, fixed mount scanners, RFID, printers, etc. iData provides workers with high-quality data collection experience and help improve working efficiency for all kinds of industries across the world.

| **20+yrs**	**40%+**	**300M+**	**400+**	**1000+**
20+ years of industrial experience	Increase in last 5 years	iData devices in use	400+ employees worldwide	Global partners

Our Service

iData proudly serves leading companies in the global logistics, manufacturing, retail, medical, and e-commerce, including Cainiao Logistics, Jitu Express, Flash Lightning, Contemporary Amperex Technology Co., Limited (CATL), BYD Auto, Hema Fresh, Meituan Fresh, Anta Sports, Jushuitan Network Technology, etc.

iData is able to provide comprehensive service and operational support in over 100 countries so far and cooperates with 1,000+ commercial projects successfully around the world. More than 3 million iData devices are applied to all kinds of industries to provide a high-quality data collection experience for over 3 million workers across the world, creating more value-added services.
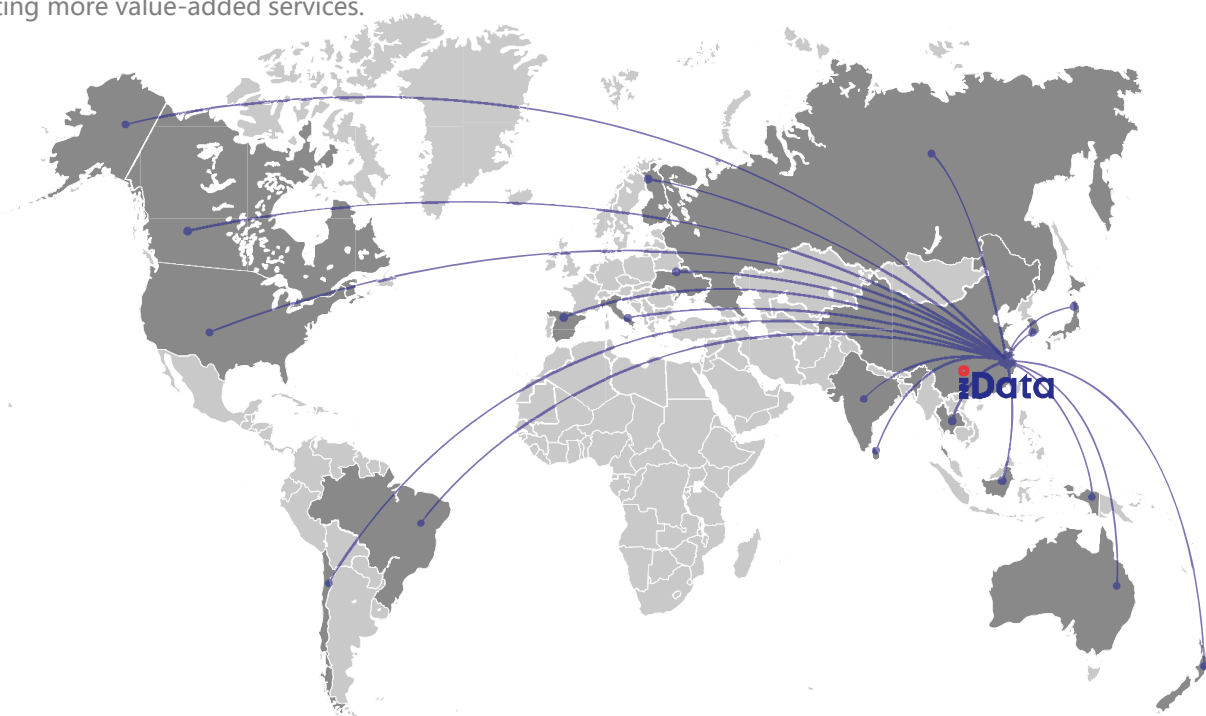
iData | Product Portfolio

General Keyboard Mobile Terminals

iData K1S

iData K3S

General Large Screen Mobile Terminals

iData 50P

iData T1

High-performance Mobile Terminals

iData K8

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iData DM3000

iData DM5000

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iData J15

iData J15-BT

iData J16

iData J16-BT

Printer Series

M300

D400

iData K1S

Android Keyboard/Touch-control Terminal

Time-tested & cost-effective option

iData K1S is an ultra-rugged Android keyboard-type smart terminal, which is time-tested in many scenarios such as new retail business, warehouses, manufacturing plants, express and logistics, etc. It improves the working capacity without increasing your purchase cost. By adding a pistol grip, K1S is able to deal with high-frequency scanning in inventory process.

Multifunctional to meet requirements of different scenes

Equipped with iData's self-developed scanning engine, K1S can easily scan damaged, dirty, DPM barcodes, etc. The breakthrough Wi-Fi roaming technology, as well as the 5G PA amplifier, enable a better network experience in complex environments.

Battery life designed for 1.5 shifts

The 4400mAh large battery can be used for 12 hours, which can meet the needs of long shifts and reduce the loss caused by equipment downtime. The battery is detachable so that it can work continuously right after the battery replacement.

Enterprise-level protection to reduce malfunction losses

IP65 makes the equipment waterproof, dustproof, rainproof and snow-proof. It can work the sun and rain environments outdoors. The 1.5-meter anti-drop design enables users to mount the equipment on forklifts, shelves and other heights confidently. This device is designed to survive accident drops.

Store management

E-commerce shipment

Warehouse management

Inventory management

K1S Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 9.0 (GMS) / Android 11.0 (GMS)
Memory (ROM + RAM)	32GB + 3GB (standard)，64GB + 4GB (optional)
SIM	Single SIM card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	4-inch, resolution: 800*480 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	13 megapixels of rear camera, support auto-focusing/PDAF
Flashlight	800mA flashlight
Keypad	26 keypads: front key*23, side scan key *2, side power key *1
Keyboard Backlight	White
Battery	3.8V lithium battery, with 4400mAh, detachable, backup-battery support (available for some models)
Audio	Built-in microphone
Charging Method	Type-C charging and pin port charging
Reminder	Vibration reminder/LED reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/ Proximity sensor/Light sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	168mm*71mm*26mm
Weight	270g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃ (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP65
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8, CDMA&EVDO: BC0, 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，CDMA&EVDO：BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11a/b/g/n/r/ac/i/k/v (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0, support BLE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 30mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, power adapter*1, hand strap*1, device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, pistol grip, fanny pack, protective film

Intelligence to future | iData

iData K3S

New generation Android Keyboard/Touchcontrol Terminal

More efficient operation, improve enterprise management

iData K3S is a new generation Android keyboard terminal, which has brand-new functions, enhanced battery life design. K3S simplifies the operation of workers, and is more cost-effective. With right angle and dip angle modes, it provides more efficient operation options for workers in different. With the help of iData K3S, it can improve the efficiency of enterprise management.

Dip angle version available, perfect for scan and verification

Right angle and dip angle are available. The scan engine of dip angle version can slide up to 28°, which is helpful for those workers who need to verify or confirm after scanning. They can read and scan at the same time without adjusting the angle.

180° screen flip design for easy downward scanning

While using the right-angle version, the screen will flip 180° for workers to check and confirm scanning information when they need to scan the barcodes which are in the lower part of the shelves. The workers need to hold the device upside down to scan so that they could act fast in sorting and inventory, etc.

New ergonomic design, comfortable and easy

The specially designed keyboard layout and grip texture make workers feel comfortable and easy to use. Whether it is holding upside down to scan or input confirmation, workers can complete all operations effortlessly. And the keypad and touch control of K3S can be operated while wearing gloves.

| Store management | E-commerce shipment | Warehouse management | Inventory management |

K3S Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 12.0 (GMS)
Memory (ROM + RAM)	32GB + 3GB (standard)
SIM	Single SIM card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	4-inch, resolution: 800*480 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels of rear camera, support auto-focusing
Flashlight	800mA flashlight
Keypad	30 keypads: front key*26, side scan key *2, side power key *1, side custom key*1
Battery	3.85V lithium battery, with 5000mAh, detachable
Audio	Built-in microphone
Charging Method	Type-C charging and pin port charging, support 18W fast charging
Reminder	High power speaker/Vibration reminder/LED reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/ Proximity sensor/Light sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	162mm*68mm*19mm (the thickest part of dip-angle version is 29.4mm)
Weight	278g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃ (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP65
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G：900/1800 3G：WCDMA：B1/B8 4G：FDD-LTE：B1/B3/B7/B8/B20，TDD-LTE：B34/B38/B40
WWAN (Data Service)	GSM/GPRS/EDGE/UMTS/HSPA/HSPA+/WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0
GPS	GPS

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, power adapter*1, hand strap*1, device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, fanny pack, protective film

Intelligence to future | iData

iData 50P Android touch control terminal

Great value for all kinds of business

iData 50P is an Android touch terminal which is similar to a smartphone yet with reasonable cost. Equipped with enterprise-level data collection and network communication, it can work both indoor and outdoor. The ultra-rugged design empowers the device to combat with all kinds of difficulties at work.

Serving all your purposes

The 8-core 2.0GHz high-performance processor enables you to run various applications smoothly, including order fulfillment, voice or video calls, card scanning and recognition, etc.

Enterprise-level data capture

Built for enterprise-level application, the scan engine works far ahead of smartphones. It can capture barcodes quickly, including express form codes, cargo barcodes and commodity barcodes despite of whether they are damaged or contaminated barcodes, or in a poor light environment.

Enterprise-level network support

Able to connected to Wi-Fi or 4G network to work both indoor and outdoor. The high-performance 5G PA amplifier can improve the 5G signal transmission significantly to meet faster transmission rate requirements in complex environments.

Store management

Inventory management

E-commerce shipment

Production management

50P Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 9.0（GMS）/Android 11.0（GMS）
Memory (ROM + RAM)	16GB + 2GB (standard), 64GB + 4GB (optional)
SIM	Single SIM card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	4.7-inch, resolution: 1280*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels of rear camera (optional: 13 megapixels), 5 megapixels of front camera
Flashlight	800mA flashlight
Keypad	9 keypads in total: front key*4, side scan key *2, side power key *1, side customize key *2
Battery	3.85V lithium battery, with 4000mAh, detachable
Audio	Built-in microphone
Charging Method	Type-C charging and pin port charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/ Proximity sensor/Light sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	150mm*73.5mm*16mm (the head is 24mm in thickness)
Weight	230g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃ (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to marble floor from the height of 1.5m
Ingress Protection	IP67
ESD Protection	±15KV (air discharge), ±8KV (contact discharge), surge protection design

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8, CDMA&EVDO: BC0, 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，CDMA&EVDO：BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v (2.4G + 5G dual-band Wi-Fi), support fast roaming, support Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0
GPS	GPS/AGPS/BDS/Galileo/GLONASS
PSAM Card	Support

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 30 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, power adapter*1, hand strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, pistol grip, fanny pack, protective film, protective case, 2-in-1 charging cradle

Intelligence to future ｜ iData

iData T1 Enterprise-level Smart Terminal

Thin, durable and portable, multifunctional working assistant

iData T1 is a new generation of enterprise-level smart terminals, with similar appearance and touch feeling to smart phones. In addition, the performance and reliability of the device surpass smart phones and reach enterprise-level standards. Whether employees are in the warehouse or fieldwork outdoors, they can always rely on this portable multifunctional terminal.

"Thin" yet "strong "

The 5.5-inch full-screen light and thin PDA can be held in one hand. The appearance and feel are similar to smartphones. With the help of the Android system, employees can start work without training. The 1.5-meter drop-resistant, IP68 dust-proof and waterproof, make the device ultra-rugged quality to survives accident drops and bad weather outdoors.

Enterprise-level data collection capabilities

The powerful scanning engine can quickly capture almost any 1D/2D barcode, even if the barcode is damaged or contaminated. The 13-megapixel rear camera can clearly take photos of goods, receipt documents, etc.

Improve team capabilities with enterprise-grade software

By using iTalk, employees can communicate via voice call with Wi-Fi network and connect your team efficiently. Enterprise-level scanning software iScan Pro and text recognition software iWord enables employees to scan multiple barcodes, and extract text from any forms quickly.

| Store Management | Inventory management | E-commerce shipment | Production management |

T1 Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 10.0 （GMS)
Memory (ROM+RAM)	16GB + 2GB (standard), 64GB + 4GB (optional)
SIM	Two out of three SIM card slots, support dual SIM and dual standby * Two out of three SIM card slots: two cards can be held at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card Wi-Fi Only： SIM not available
Expansion Slot	Micro SD card (up to 256 GB) Wi-Fi Only: Expansion slot not available
Display Screen	5.5-inch, resolution: 1440*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	13 megapixels of rear camera, 5 megapixels of front camera, support PDAF
Flashlight	800mA flashlight
Keypad	3 keypads in total: side scan key *2, side power key *1
Battery	3.85V lithium battery, with 5000mAh, undetachable
Audio	Built-in dual microphone (noise-canceling microphone)
Charging Method	Type-C charging and pin port charging, support 10W fast charging
Reminder	Vibration reminder/LED reminder/Audio reminder
Fingerprint Recognition (Optional)	Support back fingerprint recognition
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/ Proximity sensor/Light sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	157mm*74mm*13.6mm
Weight	230g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 60℃ (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP68
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8, CDMA&EVDO: BC0, TD-SCDMA: B34/B39 4G: FDD-LTE: B1/B3/B5/B7/B8/B20，TDD-LTE: B34/B38/B39/B40/B41 Wi-Fi Only： SIM not available
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE Wi-Fi Only： SIM not available
WLAN Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0, support BLE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 30 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Accessories

Standard Accessories	USB cable*1, hand strap *1, power adapter*1
Optional Accessories	Single charging cradle, 4-slot charging cradle, fanny pack, protective case, protective film

Intelligence to future ⋮Data

iData K8 Ultra-rugged Android terminal

Industrial-level durability, long-time reliability

iData K8 is an ultra-rugged Android smart mobile terminal designed for large-scale warehouses, goods transportation centers, and manufacturing factories, etc. K8 features excellent performance and reliability, ultra-long product lifespan. Thus your enterprise can benefit from a single purchase of K8 for a very long time.

Ultra-long product lifespan

K8 has anticipated the future challenges, from the processor, memory to the system and Android subsequent support, the device has taken the future needs into consideration. As a practical hardware, K8 is able to run upgraded system or Apps in the future, which makes it survive longer lifespan and will benefit your enterprise in the long run.

Designed to fit into complex environments

Both the ultra-rugged ingress protection and the ultra-big 6700mAh battery are making the K8 more durable at work. Besides, the device can survive accidental drops from a forklift or long working hours requirement.

Improve operation efficiency for warehouses and factories

Support up to 21.4m furthest scanning, the forklift can quickly scan the barcodes of the shelves and goods in a long distance. With the support of Bluetooth 5.0, K8 can connect to all kinds of earphones, printers and various extensive applications.

| Production Management | Inventory management | Oil/gas/electricity management | Construction site management |

K8 Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 12.0 (GMS)
Memory (ROM+RAM)	64GB + 4GB (standard)
SIM	Dual Nano SIM card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	4-inch, resolution: 800*480 pixels IPS HD retina screen
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	13 megapixels of rear camera, support auto-focus, 5 megapixels of front camera
Flashlight	800mA flashlight
Keypad	34 keypads in total: front key*29, side scan key *2, side PTT key *1, side ±volume key *2
Battery	3.85V lithium battery, with 6700mAh, detachable, backup-battery support
Audio	Built-in dual microphone (noise-canceling microphone)
Charging Method	Type-C charging and pin port charging, support 9V/2A, 5V/3A fast charging
Reminder	High-power speaker/3 sides scan LED reminder/Vibration reminder/Charging LED reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/ Proximity sensor/Light sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	205mm*76mm*31mm
Weight	440g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m (without protective case) Multiple drops to concrete floor from the height of 1.8m (with protective case)
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP68
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G：900/1800 3G：WCDMA:B1/B8 4G：FDD-LTE:B1/B3/B7/B8/B20， TDD-LTE:B38/B40 American version: 2G: B2/B3/B5 3G: B1/B2/B4/B5，CDMA&EVDO：BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0, support BLE
GPS	GPS

NFC (Standard)

Working Frequency	13.56 MHz
Reading Distance	Within 60 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, hand strap *1, power adapter*1,device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, pistol grip, protective case

Intelligence to future　iData

iData T2 Large screen high-performance terminal

Designed for field work environment

iData T2 is a large screen high-performance terminal with 4G network, which assure a faster data transmission rate and low network delay. With the help of 6.21-inch large HD screen, the device interaction become much easier. T2 is the dedicated practical mobile terminal for staffs who work outdoors environment, such as large-scale ports, exhibition arenas, etc.

4G WAN, more jobs can be done quicker

4G WAN features lower delay and faster data transmission which makes It better than general Wi-Fi. The users can enjoy smoother network experience outdoors even without Wi-Fi connection, they can make on-line calls, video calls, and data download, etc.

6.21" large HD screen, the efficiency increases dramatically

More information can be displayed within the large screen, which lowers the mistouch rate during interaction with APPs. The efficiency of workers increase significantly in both reading or information input.

Powerful performance, ultra-long product lifespan

Equipped with octa-core 2.0GHz processor and 64GB(ROM)+4GB(RAM), T2S not only runs faster to support multitasking demand, but also assures a longer lifespan to survive product upgrade for future business.

Receiving and delivery

Meter-reading management

Ticketing management

Mobile law-enforcement

T2(4G) Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 12.0 (GMS)
Memory (ROM+RAM)	64GB + 4GB (standard)
SIM	Two out of three SIM card slots, support dual SIM and dual standby * Two out of three SIM card slots: two cards can be held at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	6.21-inch, resolution: 1520*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	16 megapixels rear camera + 0.3 megapixels sub-camera, 5 megapixels front camera, support auto-focus
Flashlight	800mA flashlight
Keypad	5 keypads in total: side scan key *2, side power key *1, side ±volume key *2
Battery	3.85V lithium battery, with 4500mAh, detachable 3.85V lithium battery, with 4200mAh, detachable, support NFC, wireless charging
Audio	Built-in dual microphone
Charging Method	Type-C charging and pin port charging, support 18W fast charging
Reminder	High-power speaker/Vibration reminder/LED reminder/Audio reminder
Fingerprint Recognition	Support back fingerprint recognition
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/Gyroscope
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	168mm*79mm*13.7mm
Weight	245g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety Concerns
Storage Temperature	-40℃ - 70℃
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP67
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Scanning Engine

Barcode Type	It can scan one-dimensional / two--dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G: 900/1800 3G: WCDMA：B1/B8 4G: FDD-LTE：B1/B3/B7/B8/B20， TDD-LTE：B34/B38/B40 American version: 2G: B2/B3/B5 3G: B1/B2/B4/B5，CDMA&EVDO：BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support fast roaming
Bluetooth	Bluetooth 5.0
GPS	GPS

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 60 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, hand strap *1, power adapter*1,device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, fanny pack, protective film , Protective case

High-performance-T2

Intelligence to future | iData

iData 55HC Touch-control Android Medical Terminal

Cost-effective, competent for almost all medical scenarios

A mobile medical terminal can increase work efficiency and service quality for both clinical nurses and staff who manage medical consumables. iData 55HC is economical and can be used in almost all medical scenes, helping medical workers to improve their working performance.

Comprehensive functions for medical scenarios

Functions such as scanning, photography, voice communication, 4G network, Wi-Fi, and Bluetooth are all available. It is competent for mobile nursing, consumables management, drug management, asset management, medical waste disposal, etc.

Dedicated engine to scan medical barcodes

Barcodes on wristbands, infusion bags, medicines, test tubes, consumables, and assets can be easily read, even if the barcodes are contaminated or damaged due to chemical erosion. For those workers who often use scanning for medication management, sample management, and consumable management, this device are extremely convenient for them.

Medical sterilizable design to ensure safety

The medical corrosion-resistant housing can withstand repeated scrubbing of various medical cleanings agents such as alcohol and peroxide water. With good sealing performance, there is no need to worry about external ingress during cleaning, ensuring the aseptic requirements of medical equipment.

Admission management

SPD material management

Drug traceability

Medical waste management

55HC Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0 (GMS)
Memory (ROM + RAM)	16GB + 2GB (standard), 64GB + 4GB (optional)
SIM	Single SIM
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	4.7-inch, resolution: 1280*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels of rear camera (optional: 13 megapixels), 5 megapixels of front camera
Flashlight	800mA flashlight
Keypad	9 keypads: front key*4, side scan key *2, side power key *1, side custom key *2
Battery	3.85V lithium battery, with 4000mAh, detachable
Audio	Built-in microphone
Charging Method	Type-C charging and pin port charging, support fast charging of 18W
Reminder	Vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/Proximity sensor/Light sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	150mm*73.5mm*16mm (head thickness 24mm)
Weight	230g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃ (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to marble floor from the height of 1.5m
Ingress Protection	IP67
ESD Protection	±15KV (air discharge), ±8KV (contact discharge) , surge protection design

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

|	
WWAN (Network Frequency)	China & Eurasian version: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8, CDMA&EVDO: BC0, 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, CDMA&EVDO: BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11a/b/g/n/ac/d/e/h/i/j/k/r/v (2.4G + 5G dual-band Wi-Fi), support fast roaming and Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0
GPS	GPS/AGPS/BDS/Galileo/GLONASS
PSAM card	Support

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 30 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, power adapter*1, hand strap*1, battery*1
Optional Accessories	Single charging cradle, 2-in-1 charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, fanny pack, protective film, pistol grip, protective case
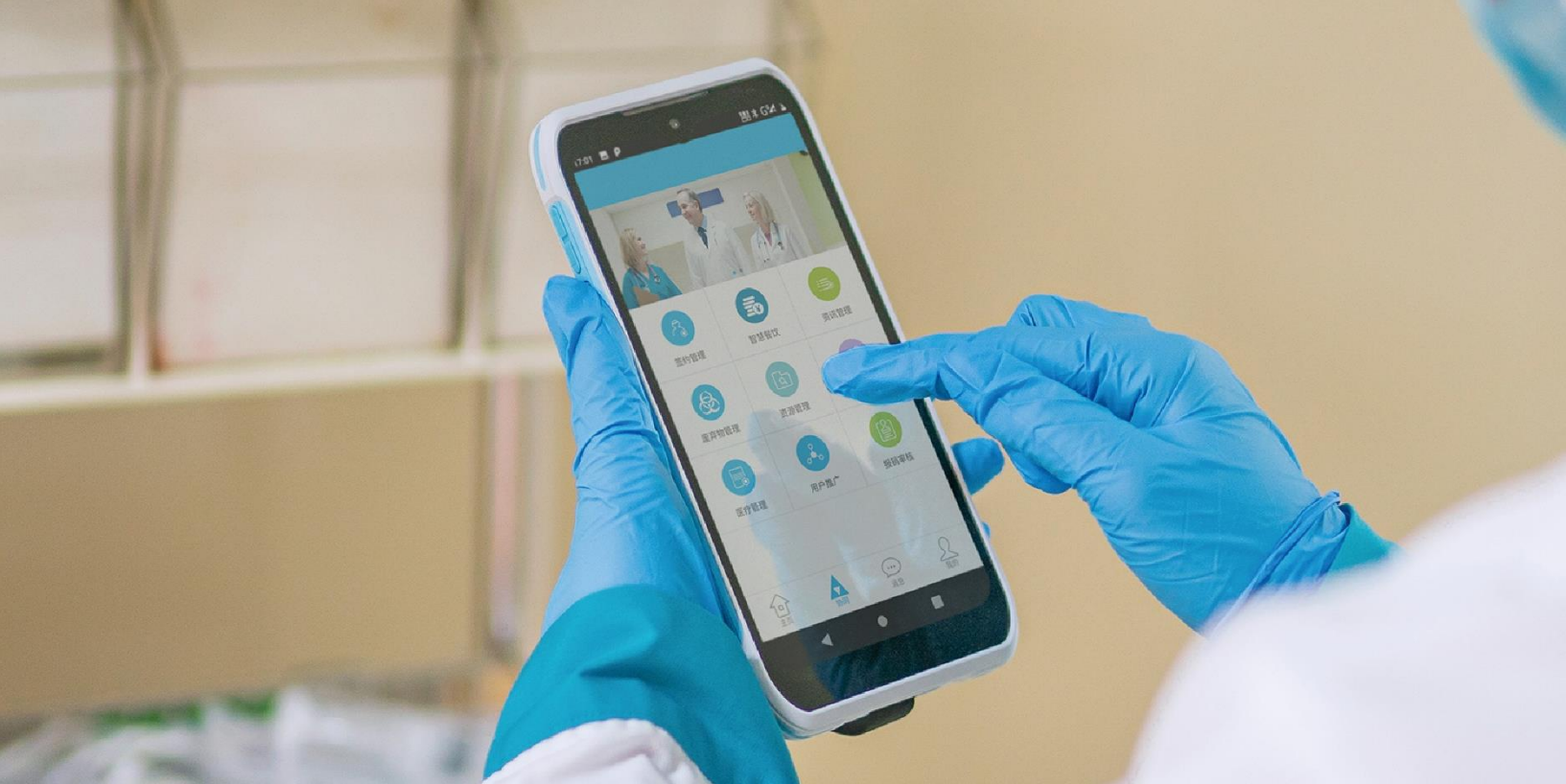
iData T2HC New-generation Medical Terminal

Achieving better nursing service

With the help of new generation of 4G medical terminals, real-time interconnection among patients, doctors, and nursing staff can be realized. The 4G networks can be used to upload/query patient information, and remote consultations can have medical teams achieve better nursing service.

New-generation 4G network enables faster connection between patients and medics

The 4G network allows medical workers to upload/query patients' conditions in real time, use efficient networks to quickly start remote consultations, and make nursing plans in time to provide guarantees for improving patients' conditions.

Larger touch control screen and HD camera to record and review patient information

The 6.21-inch HD large screen can display more patient information. The rear 16 million camera can clearly record every detail of the patient's condition, providing a reliable basis for the medical team to make nursing plans.

Powerful performance to meet nursing needs in the present and the future

With the great support of CPU, memory or Android version, the device can not only meet current nursing needs, but also survive longer product circle to face future challenges.

Admission management   SPD material management   Drug traceability   Medical waste Management

T2HC(4G) Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0
Memory (ROM + RAM)	64GB + 4GB
SIM	Two out of three SIM card slots, support dual SIM and dual standby * Two out of three SIM card slots: two cards can be held at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	6.21-inch, resolution: 1520*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	Rear 16MP camera + 0.3MP secondary cameras, front 5MP, auto focus
Flashlight	800mA flashlight
Keypad	5 keypads: side scan key *2, side power key *1, side volume ± key *2
Battery	3.85V lithium battery, with 4500mAh, detachable 3.85V lithium battery, with 4200mAh, detachable, support NFC, wireless charging
Audio	Built-in microphone
Charging Method	Type-C charging and pin port charging, support fast charging of 18W
Reminder	Vibration reminder/LED reminder/high power speaker/Audio reminder
Vibrating Motor	Built-in vibrating motor
Fingerprint Recognition	Support back fingerprint recognition
Sensors	G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/ Gyroscope
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	168mm*79mm*13.7mm
Weight	245g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃ (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP67
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8, CDMA&EVDO: BC0, 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，CDMA&EVDO：BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G + 5G dual-band Wi-Fi), support fast roaming
Bluetooth	Bluetooth 5.0
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS/GNSS

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 60 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, power adapter*1, hand strap*1, device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, fanny pack, protective film

Intelligence to future | iData

iData K1 Cold

Low temperature resistant and anti-condensation smart terminal

Cost-effective cold-chain dedicated terminal

iData K1 Cold is able to withstand the low temperature impact of -25℃, and resist moderate condensation. It's suitable for workers who travel through areas which are not too humid in the cold storage. With the engine that scans ultra-long distance, the working efficiency of forklifts can be improved significantly.

Vacuum-coated technology can resist condensation

The internal of scan window and screen has been vacuum-coated by anti-condensation film, so that the device can resist moderate condensation effectively. Thus the workers who work in the cold storage for a long time, or travel between refrigerated area and frozen area, can avoid working delay due to the condensation.

Survive longtime working in low temperature area

The 6700mAh cold-chain dedicated battery can assure battery discharge capacity in -25℃ environment for over 12 hours. The workers who need to work in refrigerated area or frozen area for long hours can scan confidently without worrying about the battery life.

Improve forklift efficiency in goods locating and sorting IP65

Support up to 21.4m furthest scanning, the forklift can scan the barcodes of the shelves and goods in a long distance. It can connect the goods with the corresponding shelves quickly in the inbound management, and confirm the goods information in the outbound sorting.

Inbound management in cold storage Inventory management in cold storage Drugs traceability Blood bags management

K1 Cold Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 9.0
Memory (ROM+RAM)	32GB+3GB (standard)
SIM	Single SIM card
Expansion Slot	Micro SD card (up to 256GB)
Display Screen	4-inch, resolution: 800*400 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels of rear camera (optional: 13 megapixels), support auto-focusing/PDAF
Flashlight	800mA flashlight
Keypad	26 keypads in total: front key*23, side scan key *2, side power key *1, (Interior transmission light industrial IMD keypad)
Keyboard Backlight	White
Battery	4.2V lithium battery, with 6700mAh, detachable, backup battery support *Don't replace battery in cold environments in case the cold moisture will damage the device
Audio	Built-in microphone
Charging Method	Type-C charging and pin port charging, support 12W fast charging
Reminder	High-power speaker/Vibration reminder/LED reminder
Vibration Motor	Built-in vibration motor
Sensors	G-sensor/ Proximity sensor/Light sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	168mm *71mm *33mm
Weight	342g (including the battery)

Environmental Parameter

Working Temperature	-25℃ - 50℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃ (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP65
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	Chinese & Eurasian version: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8, CDMA&EVDO: BC0, 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, CDMA&EVDO: BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0, support BLE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 30 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, power adapter*1, hand strap*1, device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, pistol grip, protective film, protective case

Intelligence to future | iData

iData K8 Cold

Ultra-low temperature resistant and condensation-free smart terminal

Dedicated to improving cold-chain productivity

iData K8 Cold is an innovative smart terminal that survives ultra-low temperature -30℃ environments. With the help of condensation-free technology, K8 Cold will heat itself automatically to defog condensation generated both inside and outside the scan window and screen. The device also meet high-standard working requirements of order recording, sorting, inbound and outbound management in the cold storage environments, boosting workers' productivity dramatically.

Meet high-standard cold storage requirements

The condensation generated in both scan window and screen will badly affect work progress for those workers who need to travel between different areas in the high-standard cold storage. With the help of condensation-free technology, K8 Cold will heat itself automatically to assure quick scanning and recording after sorting process. The cold-core battery which can withstand -30℃, is able to work long hours in low-temperature cold storage environments.

Improve workers' fulfillment capacity and accuracy

K8 Cold is able to recognize the name, product origin, and weight of GS1-EAN·UCC barcodes so that it could complete inbound and outbound management automatically, and accumulate weight during inventory. Support up to 21.4m furthest scanning, the forklift can scan the barcodes of the shelves and goods in a long distance, thus it can recognize shelves and confirm goods waiting to be sorted rapidly.

Optimize the input experience for workers in cold storage

The workers would suffer a lot inconvenience while wearing thick and heavy anti-cold gloves. Now this situation has been improved by adopting reasonable keypad size and keyboard layout so that the mistouch rate could be eliminated during fulfillment. The wide groove and friction texture on the back, match with the device-back strap, can mount the device on your hand tightly so that you can operate the machine with one single hand.

The protective cover of this product is not optional

| Fresh food Delivery | Cold storage management | Meat deep processing | Vaccine/drugs traceability |

K8 Cold Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 12.0 (GMS)
Memory (ROM+RAM)	64GB+4GB (standard)
SIM	Dual Nano SIM card
Expansion Slot	Micro SD card (up to 256GB)
Display Screen	4-inch, resolution: 800*480 IPS HD Retina screen
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	13 megapixels of rear camera, support auto-focus; 5 megapixels of front camera
Flashlight	800mA flashlight
Keypad	34 keypads in total: front key*29, side scan key *2, side PTT key *1, side ±volume key *2
Battery	3.85V lithium battery, with 6700mAh, detachable, backup-battery support
Audio	Built-in dual microphone (noise-canceling microphone)
Charging Method	Type-C charging and bottom charger charging, support 9V/2A, 5V/3A fast charging
Reminder	High-power speaker/3 sides scan LED reminder/Vibration reminder/charging LED reminder
Vibration Motor	Built-in vibration motor
Sensors	G-sensor/ Proximity sensor/Light sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	205mm*76mm*31mm
Weight	458g (including the battery)

Environmental Parameter

Working Temperature	-30℃ - 50℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m (without protective case) Multiple drops to concrete floor from the height of 1.8m (with protective case)
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP68
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support
Charging Interface	8-pin charging port

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G：900/1800 3G：WCDMA:B1/B8 4G：FDD-LTE:B1/B3/B7/B8/B20, TDD-LTE:B38/B40 American version: 2G: B2/B3/B5 3G: B1/B2/B4/B5，CDMA&EVDO：BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi) support Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0, support BLE
GPS	GPS

NFC (Standard)

Working Frequency	13.56 MHz
Reading Distance	Within 60 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, hand strap *1, power adapter*1,device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, pistol grip, protective case

Intelligence to future | iData

iData P1 Enterprise-level Smart Terminal

Upgrade leading-edges of enterprise workers

iData P1 is a new generation of industrial Android tablet. It features large screen, ultra-thin, sturdy, high performance and high expansion. It supports the expansion of external accessories on the back, bottom and right side. It can be used in both fixed and mobile way. It has been widely used in store management, warehouse management, production management, equipment inspection etc.

10.1-inch screen, convenient for users to work

Whether inventory in the warehouse or working on the production line, the large screen enables you to view the data chart clearly, and even multi-tasking. This greatly improves the work efficiency. The raised plastic around it can effectively protect the screen from falling.

Various interfaces to meet customized needs

The interfaces on the bottom, back, and right side enables the device to upgrade more functions through accessories expansion. The device can be connected to the base, screen to meet the customization needs in different scenarios.

Ultra-thin body, easy to use

Only 14.9mm in thickness, and the ultra-thin body can be easily put into bag, convenient to bring, easy to fix on the bracket and disassemble.

| Store Management | Inventory management | Receiving and Delivery | Production management |

4G/5G version available. For more information, please refer to local sales team

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0
Memory (ROM+RAM)	64GB + 4GB (standard)
SIM	Two out of three SIM card slots, support dual SIM and dual standby * Two out of three SIM card slots: two cards can be held at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	10.1-inch, resolution: 1920*1200 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	13 megapixels rear camera, support auto-focus; 8 megapixels front camera
Flashlight	800mA flashlight
Keypad	4 keypads in total: scan key *1, power key *1, volume key*2
Battery	3.85V lithium battery, with 10000mAh, detachable, back-up battery support
Audio	Built-in dual microphone
Charging Method	Type-C charging and pin-port charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/high power speaker/audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/Light sensor/Geomagnetic sensor/ Gyroscope
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	244.8mm *163.6mm *14.9mm
Weight	879g (including the battery)

Environmental Parameter

Working Temperature	-10℃ - 50℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-30℃ - 70℃ (without battery)
Humidity	10%- 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.2m
Roller Drop Specification	300 times of roller drops from a height of 0.5 meter
Ingress Protection	IP65
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network 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
WWAN (Data Service)	GSM/GPRS/WCDMA/TDD-LTE/FDD-LTE
WLAN Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi)
Bluetooth	Bluetooth 5.0
GPS	GPS/AGPS/BDS/Galileo/GLONASS

NFC (Standard)

Working Frequency	13.56 MHz
Reading Distance	Within 60 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Communication Interface

USB Interface	Type-C 3.0 (with headset function) *1, USB2.0, Type-A*1, Micro HDMI interface *1
OTG Interface	Support

Accessories

Standard Accessories	USB cable*1, device-back strap *1, power adapter*1, battery*1
Optional Accessories	Charging dock, extension dock, protective film

Pda-P1

Intelligence to future | iData

iData T2 UHF High-performance RFID Terminal

Serve purposes of fast-growing business

iData T2 UHF is a 4G high-performance RFID terminal with efficient RFID reading capability and 4G communication capability, which can meet the needs of rapid business growth of enterprises for equipment performance. It improves workers' efficiency and help enterprise to cope with future challenges confidently.

Efficient RFID reading, designed for business

The tag reading rate is faster than 700 tags/s, which can help workers save 40% of their time and complete their work faster when dealing with massive inventory work.

4G WWAN makes operations smoother

The device adopts 4G WWAN. After the worker completes the reading, the information can be uploaded to the system quickly, and the loading time can be shortened querying the information.

Dynamic duty cycle algorithm to optimize the efficiency

The dynamic duty cycle algorithm will regularly estimate the number of tags in the surrounding environment, dynamically adjust the running time of the RFID module, extend the battery life and lifespan of the module.

Inbound and outbound Management

Production management

Fixed asset management

Public management

T2 UHF (4G) Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 12.0 (GMS)
Memory (ROM+RAM)	64GB + 4GB (standard), 128GB+6GB(optional)
SIM	Two out of three SIM card slots, support dual SIM and dual standby * Two out of three SIM card slots: two cards can be held at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	6.21-inch, resolution: 1520*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	16 megapixels top camera; 5 megapixels front camera; support auto-focus
Flashlight	800mA flashlight
Keypad	6 keypads in total: scan key *2, power key *1, volume key*2, pistol trigger *1
Battery	3.85V lithium battery, with 4500mAh, undetachable 3.7V lithium battery, with 6700mAh, detachable
Audio	Built-in microphone
Charging Method	Type-C and Pin-port charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/high power speaker/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/ Gyroscope
Intercom Function (optional)	Support one-button PTT calls
Cooling fan (optional)	Built-in cooling fan

Structure Parameter

Dimension (L*W*D)	168mm*97mm*145mm
Weight	680g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP67
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support
PSAM (optional)	Support PSAM*1

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G: 900/1800 3G: WCDMA: B1/B8 4G: FDD-LTE: B1/B3/B7/B8/B20, TDD-LTE: B34/B38/B40 American version: 2G: B2/B3/B5 3G: B1/B2/B4/B5, CDMA&EVDO: BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11/a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G + 5G dual-band Wi-Fi)
Bluetooth	Bluetooth 5.0
GPS	GPS

UHF RFID

Communication Protocol	ISO18000-6C/EPC Class1 Gen2
Frequency	920MHz~925MHz/902MHz~928MHz/865MHz~868MHz
Output Power	8~33dbm
Antenna	Circularly polarized antenna
Reading Distance	Up to 20m
Reading Rate	Up to 700 tags/s

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, power adapter*1
Optional Accessories	Single charging cradle, 4-slot charging cradle, 2-slot battery charging cradle, protective film

Intelligence to future | iData

iData T2X Portable RFID Terminal

All-in-one design to work in multiple scenarios

iData T2X is a 4G portable RFID terminal with high-speed and low-delay 4G WAN communication capabilities. It provides a better user experience in RFID reading performance and portability. It's portable to take with, and compatible with various RFID modules, such as LF,HF, UHF, covering almost all needs of RFID reading. Besides, iDataT2X can meet the requirements of different scenarios such as inventory, inspection, and asset management.

RFID terminal as portable as a mobile phone

Only 315g in weight, the thickness is only 13.7mm, the shape is as portable as a mobile phone, and it can be easily put into the pocket. Workers can bring the equipment to any job site and start work immediately.

RFID reading ability to meet all kinds of scenarios

The back RFID module support LF, UHF module, and the UHF rate can reach up to 200tags/s and a farthest reading range of up to 6m. The LF module support 125KHz and 134KHz, meeting almost all needs of RFID reading requirements.

4G WWAN, outdoor network is faster

It supports 4G WWAN which features faster data transmission. When workers are conducting inspections and asset management outdoors, they can quickly load information without waiting.

| Inbound and outbound Management | Production management | Fixed asset management | Public management |

T2X(4G) Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 12.0 (GMS)
Memory (ROM+RAM)	64GB + 4GB (standard), 128GB+6GB(optional)
SIM	Two out of three SIM card slots, support dual SIM and dual standby * Two out of three SIM card slots: two cards can be held at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	6.21-inch, resolution: 1520*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	16 megapixels top camera, support auto-focus; 5 megapixels front camera
Flashlight	800mA flashlight
Keypad	5 keypads in total: scan key *2, power key *1, volume key*2
Battery	3.85V lithium battery, with 4500mAh, undetachable 3.85V lithium battery, with 4200mAh, detachable
Audio	Built-in microphone
Charging Method	Type-C and Pin-port charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/high power speaker/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/ Gyroscope
Intercom Function (optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	168mm*79mm*13.7mm (Thickest 25mm)
Weight	315g (including the battery)

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃ (without battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP67
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 60 mm
Communication Protocol	ISO14443A/14443B/15693

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G: 900/1800 3G: WCDMA: B1/B8 4G: FDD-LTE: B1/B3/B7/B8/B20, TDD-LTE: B34/B38/B40 American version: 2G: B2/B3/B5 3G: B1/B2/B4/B5, CDMA&EVDO: BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11/a/b/g/n/ac/d/e/h/i/j/k/r/v/w (2.4G + 5G dual-band Wi-Fi), support fast roaming
Bluetooth	Bluetooth 5.0
GPS	GPS

UHF & LF RFID (choose one of these two modules)

	UHF RFID	LF RFID
Communication Protocol	ISO18000-6C/EPC Class1 Gen2	EMID/FDX-B
Frequency	920MHz~925MHz/902MHz~928MHz/865 MHz~868MHz	125KHz/134KHz
Output Power	0~25dbm(standard); 5~30dm(optional)	/
Antenna	Circularly polarized antenna	/
Reading Distance	0~25dbm, up to 3m (standard); 5~30dm, up to 5m (optional)	3~5cm

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, power adapter*1, hand strap*1, device-back strap*1, battery*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, 4-slot battery charging cradle, fanny pack, protective film, protective case

Intelligence to future | iData

iData 50 UHF Detachable High-performance RFID Terminal

Flexible to meet needs of workers

iData 50 UHF is a detachable high-performance RFID terminal. By adding an RFID reading module, the equipment can obtain powerful RFID reading capabilities. The workers can either attach RFID grip, or just use the smart terminal flexibly based on different operation requirements.

Powerful detachable RFID grip

With a detachable UHF RFID grip, and a high-sensitivity circularly polarized antenna, iData 50 can read up to 10m distance and the rate can reach up to 700tags/s. This enables iData 50 to work faster in either inventory of apparel store, or goods inbound and outbound management.

Flexible power supply; Optimized battery life

The main unit comes with a 4000mAh battery, while the grip equipped with a 5200mAh battery. The grip battery can also support charging of main unit. In the case of apparel store management, the device may run out of battery after a whole day concentrating on customer service, however with the help of grip battery, the device can work on inventory non-stop immediately.

Multiple network to meet different requirements

4G WAN and Wi-Fi network enable workers to enjoy the convenience of mobile operations in different scenarios, such as outdoor inspections, asset management, or indoor inventory, inbound and outbound management.

Inbound and outbound management

Production management

Fixed asset management

Public management

50 UHF Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 9.0
Memory (ROM+RAM)	16GB + 2GB (standard), 64GB+4GB(optional)
SIM	Single SIM card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	4.7-inch, resolution: 1280*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels rear camera (optional 13 MP), 5 megapixels front camera, support auto-focus (LED fill in light);
Flashlight	800mA flashlight
Keypad	9 keypads in total: front key*4, side scan key *2, power key *1, side custom key *2
Battery	Main unit : 3.85V lithium battery, with 4000mAh, detachable Pistol grip: 3.6V lithium battery, with 5200mAh, undetachable
Audio	Built-in microphone
Charging Method	Type-C and Pin-port charging, support 24W fast charging
Reminder	Vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/Proximity sensor/Light sensor
Intercom Function (optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	PDA + Pistol grip: 175mm*89mm*165mm; Pistol grip is detachable
Weight	PDA (with battery)+ Pistol grip(with RFID): 710g PDA (with battery)+ Pistol grip(without RFID): 530g

Environmental Parameter

Working Temperature	-20℃ - 60℃ *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40℃ - 70℃ (without battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Ingress Protection	IP65
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support
PIN Interface	Pin port (on the back of main unit)*1

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional 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

WWAN (Network Frequency)	China & Eurasian version: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8, CDMA&EVDO: BC0, 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，CDMA&EVDO：BC0/BC1 (U.S.) 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 Function	Wi-Fi 802.11ac/a/b/g/n/r (2.4G + 5G dual-band Wi-Fi) support Wi-Fi 5G PA amplifier
Bluetooth	Bluetooth 5.0
GPS	GPS/AGPS/BDS/Galileo/GLONASS

UHF RFID

Communication Protocol	ISO18000-6B/6C/6D
Frequency	920MHz~925MHz/902MHz~928MHz/865MHz~868MHz
Output Power	5~30dBm
Antenna	Circularly polarized antenna
Reading Distance	Up to 10m
Reading Rate	Up to 700tags/s

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 30 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, power adapter*1, battery*1
Optional Accessories	3-in-1 charging cradle, protective film

Intelligence to future | iData

iData DM2000 Compact Fixed Mount Scanner

Perfect size for narrow space, implement code reading right away

iData DM2000 is a new generation of ultra-compact fixed mount scanners which can achieve excellent data capture while occupying almost no space at all. The ultra-small size is dedicated to narrow working stations and all kinds of machines. With the help of optional camera pixels and adjustable focus, this scanner could fulfill your barcode reading effortlessly. The rich one-piece interfaces make it possible to access all kinds of terminals easily.

Ultra-compact size dedicated to the narrow working stations and machines

Only 46mm in length, this scanner occupies almost no space at all. It could be installed within various types of automatic machines for scanning, or capture barcode data on the flow line. Data collection could be implemented anytime anywhere.

Excellent capture capacity, support close-range barcode reading

With optional 0.4MP and 1.6 million pixels, it adopts a self-developed deep learning algorithm, provides a variety of color light sources, and can quickly read food and drug barcodes, component barcodes, etc. It can manually adjust the focus to adapt to the reading range, suitable for 40mm ~120mm field data capture

One-piece cable to connect to all kinds of terminals rapidly

There are two kinds of connection cables: standard cable and USB cable. The standard cable is highly integrated with network port, serial port, and IO functions, while USB interfaces, simple as 'plug and play', makes it possible to access to different terminals quickly with multiple interfaces support.

Food & Drugs Traceability

Smartphone 3C manufacturing

Component traceability

Lithium battery manufacturing

DM2000 Technical Specifications

Hardware Parameters

Model	DM2000-04P	DM2000-16P
Resolution	704×540ppi	1408×1024ppi
Camera	Manual focus adjusting	Manual focus adjusting
Full-in Light	White light, optional red/blue light	
Targeting	Green LED	
Indicator on Housing	Power indicator: PWR Network indicator: LNK Status indicator: STS	

Structural Parameters

Size (LxWxD)	46mm×38 mm×25 mm
Weight	Est. 160g
Screw Holes on Housing	Screw hole size: M2 Top and side: 2 units/each

Scan Performance

Scan Rate	Network port: 41 codes/s U port: 38 codes/s	Network port: 31ms/each U port: 29ms/each
Frame Rate	60 FPS	
Capture range	40mm~120mm	
Code system	One dimension： Code 39, Code 93, Code 128, ITF14, ITF25, CodaBar, EAN, UPCA, UPCE etc. Two dimensions： QR, DataMatrix, etc.	

Certifications

Certifications	CE、FCC、RoHS

Electrical Parameters

|	
Max. Output	Network port: 10.6W 24V DC U port: 4.6W 5V DC
Voltage	Network port: 12 ~ 24V U port: 5V (USB3.0 power supply)
Digital I/O	Network port: 17-pin M12 interface provides power and I/O: includes 4 non-isolated bidirectional I/O (default configuration is 2 input, 2 output), 1 RS-232, supports triggering the device through the side button U port: 17-pin M12 interface provides data transmission and supports triggering the device through the side button
Data Interface	Network port: Fast Ethernet (100 Mbit/s) U port: USB3.0

Environmental Parameters

Working Temperature	0℃ ~ 50℃
Storage Temperature	-30℃ ~ 70℃
Humidity	20% ~ 95%RH (no condensation)
IP Rating	IP65
Ambient Light	0~50000Lux

Communication Protocol

Network Port	SmartSDK, TCP Client, Serial, FTP, TCP Server, Profinet, MELSEC, Ethernet/IP, ModBus, Fins, SLMP
U Port	SmartSDK, USB

Accessories

Standard Accessories	Network port： M12A17F convert to OPEN+DB9F+RJ45, network port male connector, 3m adaptor U port： M12A17F air interface convert to USB, 2m
Optional Accessories	Installation panel

Intelligence to future | iData
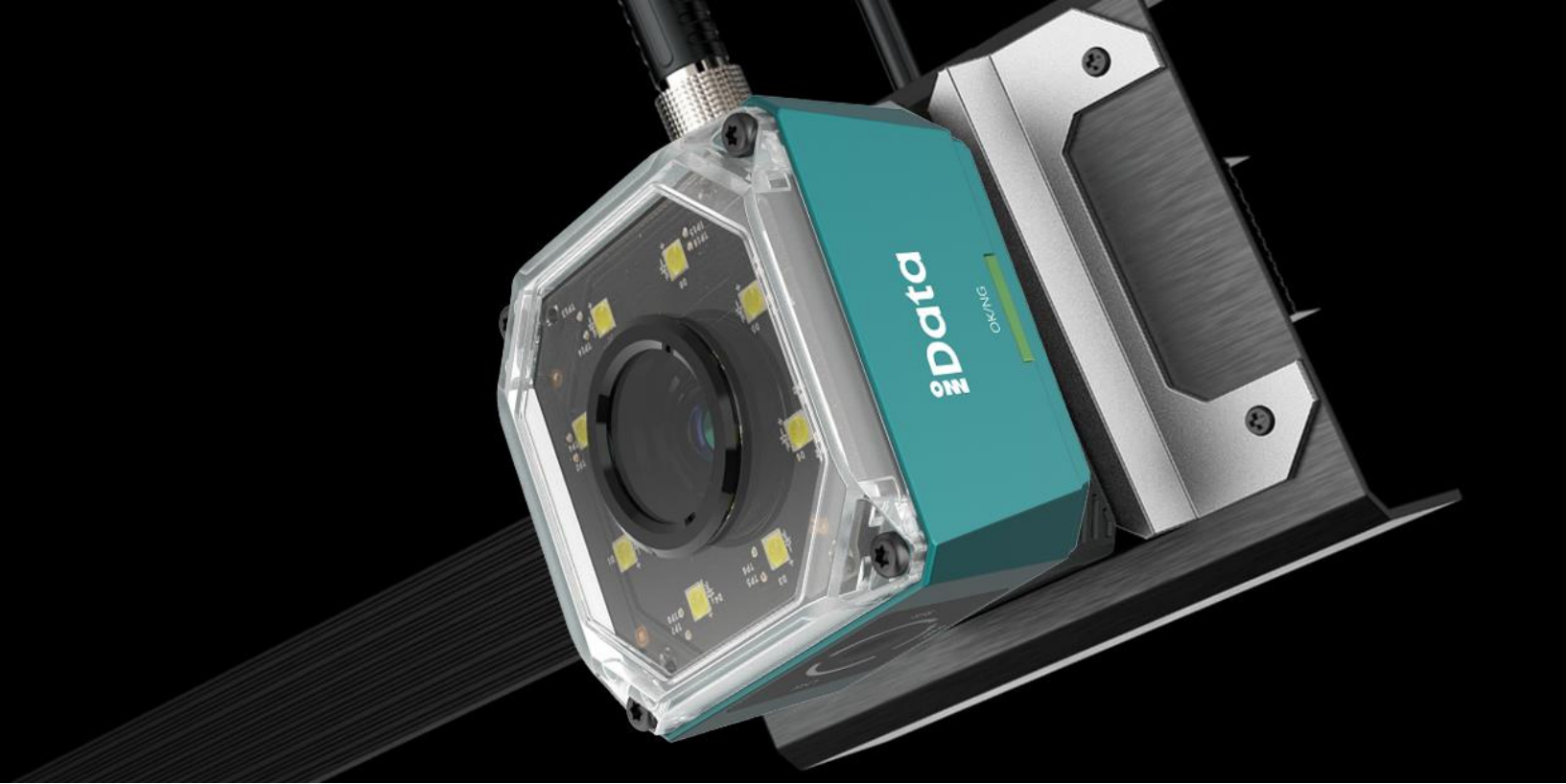
iData DM3000 High-speed Fixed Mount Scanner

The efficient barcode capture capacity help enterprise business grow

With the high-efficiency capture ability, DM3000 is able to read 1D and 2D barcodes of various code systems at high speed, maximum at 84 codes/s. DM3000 can also read different complicated barcodes by the self-developed deep learning algorithm to help enterprise business grow rapidly, suitable for many industries such as mobile phone 3C, food and drugs, electronic semiconductor, auto parts, etc.

High-performance image sensor to capture HD barcode image at high speed

The image sensor has 1.6MP and 4.2MP options, match with a modular light source, it can be used for local or global fill light settings, and can quickly capture high-quality barcode images in complex light environments. The maximum reading speed can reach 84 codes/s, which improves the collection efficiency greatly.

Deep decoding algorithm to capture various complicated barcodes

Equipped with the self-developed deep decoding algorithm, DM3000 can recognize mainstream one-dimensional and two-dimensional barcodes. With the help of rich barcode sample library, DM3000 can easily read all kinds of wrinkled, low-contrast, vague, laser engraving, DPM barcodes, suitable for mobile phone 3C, food and drugs, electronic semiconductors, auto parts and many other industries.

Industrial ingress protection level, designed for complex environment

With IP67 protection, DM3000 is suitable for all kinds of dust workshops, cold and hot processing workshops, cleaning workshops, etc. The risk of equipment shutdown caused by harsh environments is much lower.
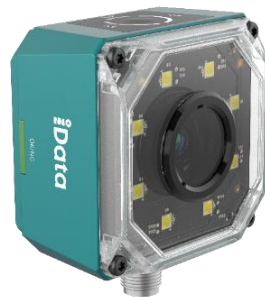
Food & Drugs Traceability | Auto manufacturing | Smartphone 3C manufacturing | Lithium battery manufacturing

DM3000 Technical Specifications

Hardware Parameters

Model	DM3000-16P	DM3000-42P
Resolution	1408×1024ppi	2368×1760ppi
Camera	Mechanical focus	
Full-in Light	White light, optional red/blue light	
Indicator Light Source	Red LED	
Indicator on Housing	Power indicator: PWR Network indicator: LNK Status indicator: STS Result indicator: OK/NG	

Structural Parameters

Size (LxWxD)	65.2mm×65.2mm×42mm	65.2mm×65.2mm×47 mm
Weight	Est. 249.5g	Est. 280g
Screw Holes on Housing	Screw hole size：M4 4 holes on the back	

Scan Performance

Scan Rate	84 codes/s	60 codes/s
Frame Rate	Max. 60 FPS	Max. 30 FPS
Capture range	60mm~600mm	
Code system	One dimension： Code 39, Code 93, Code 128, CodaBar, EAN, ITF25, MATRIX25, MSI, CODE11, INDUSTRIAL25, CHINAPOST Two dimensions： QR, DM, PDF417, etc.	

Certifications

Certifications	CE、FCC、RoHS

Electrical Parameters

Max. Output	20W 24V DC (Fill-in light is on)	47.5W 24V DC (Fill-in light is on)
Voltage	24V DC	
Digital I/O	17-pin M12 interface provides power and I/O: includes 3 non-isolated input (LineIn 0/1/2), 3 non-isolated output(LineOut 0/1/2), 1 RS232 input, 1 RS232 output supports triggering the device through the top button	
Data Interface	Fast Ethernet (100 Mbit/s)	

Environmental Parameters

Working Temperature	0℃ ~ 50℃
Storage Temperature	-30℃ ~ 70℃
Humidity	20% ~ 95%RH (no condensation)
IP Rating	IP67 (with waterproof lens cover installed)
Ambient Light	0~100000Lux

Communication Protocol

Protocol	SmartSDK, TCP Client, Serial, FTP, TCP Server, Profinet, MELSEC, Ethernet/IP, ModBus, Fins, SLMP

Accessories

Standard Accessories	M12 17PIN convert to OPEN+ RJ45DB9, network port male connector, 3m adaptor
Optional Accessories	Installation panel

Intelligence to future | iData

iData DM5000 High-performance Fixed Mount Scanner

Large field of view & wide depth of field, designed to improve on-site data-collecting efficiency of automatic production line

iData DM5000 has a large field of view and a wide depth of field. It can read multiple barcodes at the same time. With different lens options, DM5000 has a wider range of reading distances so that it can be applied to almost any production line, such as semiconductor manufacturing, automobile manufacturing, mobile phone manufacturing, etc. In all, DM5000 can improve on-site data-collecting efficiency in automatic production lines effectively with its capacity to scan codes for traceability or to print codes for verification.

Ultra-large FOV, support simultaneous multiple barcodes reading

Adopting a 20MP image sensor, it can support reading 200 QR codes at the same time, and can quickly complete a large number of recording tasks. With the coding rating function, it can quickly authenticate the coding results to ensure the quality of the barcode.

Wider DOF to fit more production lines

Equipped with a 6MP image sensor, the reading range is 60mm~800mm, covering almost any scene. It can be used for scanning codes and traceability of micro components and large components. It comes with a mechanical focusing lens to complete the focus automatically and facilitate debugging process.

Industrial IP protection to survive more complicated operations

With IP67 protection capability, it is suitable for all kinds of dust workshops, cold and hot processing workshops, cleaning workshops and other on-site operating environments, the risk of equipment shutdown caused by harsh environments has been reduced effectively.

Semiconductor manufacturing

Automobile manufacturing

Smartphone 3C Manufacturing

Photovoltaic manufacturing

DM5000 Technical Specifications

Hardware Parameters

Model	DM5000-60P	DM5000-200P
Resolution	3072×2048 ppi	5440 × 3648ppi
Camera	Mechanical focus	C port
Full-in Light	White light, optional red/blue light/infrared light	No light source withine
Indicator on Housing	Power indicator: PWR Network indicator: LNK/ACT User indicator: U1/U2	

Structural Parameters

Size (LxWxD)	118.7mm×78mm×73.2mm	109.5mm×64.4mm×109mm
Weight	Est. 520g	Est. 470g
Screw Holes on Housing	Screw hole size: M4 Back and Front-end: 4 holes/each	

Scan Performance

Scan Rate	90 codes/s	36 codes/s
Frame Rate	30 FPS	20 FPS
Capture range	60mm~800mm	80mm~600mm
Code system	One dimension： Code 39, Code 93, Code 128, CodaBar, EAN8, EAN13, UPCA, UPCE, ITF14, ITF25, Matrix 25, MSI, China Post, Code 11 ,etc. Two dimensions： QR, DM, PDF417, etc.	

Certifications

Certifications	CE、FCC、RoHS

Electrical Parameters

Max. Output	20W 24V DC (Fill-in light is on)	47.5W 24V DC (Fill-in light is on)
Voltage	24V DC	12V DC ~ 24V DC
Digital I/O	12-pin M12 connector provides power and I/O: including 3 optocoupler isolated inputs (LineIn 0/1/2), 3 optocoupler isolated outputs (LineOut 0/1/2), 1 RS-232 input, 1 RS-232 output	
Data Interface	Gigabit Ethernet (1000 Mbit/s)	

Environmental Parameters

Working Temperature	0℃ ~ 50℃
Storage Temperature	-30℃ ~ 70℃
Humidity	20% ~ 95%RH (no condensation)
IP Rating	IP67 (with waterproof lens cover installed)
Ambient Light	0~100000Lux

Communication Protocol

Protocol	SmartSDK, TCP Client, Serial, FTP, TCP Server, PROFINET, Ethernet/IP, MELSEC, Fins, ModBus, SLMP

Accessories

Standard Accessories	Power cord: M12 cable, M12 A Code/12P/F convert to Open, black, 5m; Network cable: M12 cable, M12 A Code/8P/M convert to crystal head, black network port male head black, 5m; Adapter
Optional Accessories	Installation panel

Intelligence to future | iData

iData J15 Generic Wired Scanner

Improve the efficiency of more workers

iData J15 is a generic wired scanner, which has be widely used in retail stores, logistics warehouses, express sorting scenarios. It can reduce customers' waiting time, accelerate the turnover efficiency of logistics warehousing, all workers can benefit from J15.

Quickly barcode reading by iData scanning technology

Soc NPU acceleration technology, combining with smartLight 3.0 decoding algorithm, makes it easy to deal with hard-to-recognized barcodes, such as the wrinkled barcodes on retail product, or a vague, damaged barcode on parcel package.

A comfortable scanning experience

Workers can get a better user experience by a streamlined grip and high rebound trigger. They feel more comfortable even they need to work with the scanner frequently.

Multi-system support, simply plug and use

Support Windows, Android, Linux and other systems, almost cover retail, logistics, warehousing and many other industries of system adaptation. With USB connection, simply plug and use, no need to install software and debug.

Store management   Inventory Management   Cashier management   Production management

J15 Technical Specifications

Performance Parameter

Light Sensor	1280*1080 pixels
Light Source	WHITE

Physical Parameter

Size (H*W*D)	175.5mm (H) *85.3mm (W) *64.5mm (D)
Weight	158.5g
Working Voltage	4.5V~5.5V (DC)
Current	160mA (typical) , 400mA (maximum)
Interface	USB-HID, USB-CDC, RS232
Reminder	Buzz reminder/LED reminder
Housing Material	PC+ABS

Code System

1D	code128、EAN-8、EAN-13、UPC-A、UPC-E、codabar、code11、code32、code39、code93、Interleaved 2of 5、Matrix 2 of 5、IATA 2 of 5、UK Plessey、MSIPlessey、GS1DataBar, etc.
2D	Aztec, Data Matrix, Micro PDF 417, PDF 417, QR, Micro QR, Han xin code, Grid Matrix, etc.

Decoding Range

Barcode	HD (High Density)	SR (Standard Range)
3.33mil Code128	4.5cm~11cm	8.0cm~13cm
10mil Code128	2.5cm~20cm	3.0cm~44cm
10.83mil QR Code	2.5cm~15.0cm	5.0cm~25cm
20.83mil QR Code	2.5cm~22.0cm	2.5cm~46cm

Scanning Performance

Scanning Accuracy	≥3mil
Scanning Angle	(pitch)：±65°；(skew)：±45°；(tilt)：360°
View Angle	Horizontal：39.6°, Vertical：33.8°, Diagonal：50.4°
Minimum Reading Contract	15%
Motion Tolerance	15mil code128 1.5m/S

Environment Parameter

Working Temperature	0℃~50℃
Storage Temperature	-40℃~70℃
Humidity	5%~95% (No condensation)
Ingress Protection	IP52
Drop Specification	Multiple drops to concrete floor from the height of 1.8m
Ambient Light	0Lux~100000Lux
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Corresponding Regulations

Electric Safety	IEC 62368
Environmental Specification	RoHS directive 2011/65/EU, GB/T 26572
LED Safety	IEC 62471:2006
EMI/RFI	FCC Part 15 Class B, EN 55032:2015, EN 55035:2017

Accessories

Standard Accessories	USB cable*1, Power cord*1, user manual*1
Optional Accessories	Cradle, serial cable

Intelligence to future | iData

iData J15-BT Generic wireless Bluetooth scanner

No cable limit, improve the efficiency of more workers

iData J15-BT is a generic wireless Bluetooth scanner that enables workers to operate in a wider range with no cable limit. It can be widely used in retail stores, logistics warehouses, and express sorting scenarios. J15-BT reduces customers' waiting time, speeds up the turnover rate of logistics. Workers from different positions can benefit greatly from using J15-BT scanner.

High-efficient Bluetooth transmission, no cable limit

The scanner connects with the base by Bluetooth 5.0, the transmission distance can reach up to 70m, it supports wireless long-distance scanning. The workers who work far away from their seats now are able to scan confidently without cable tangle concerns.

A comfortable scanning experience

Both the streamline pistol grip and high-bouncing trigger make the scanning more comfortable. The combination of Soc NPU acceleration technology and SmartLight 3.0 decoding algorithm, J15-BT can easily tackle hard-to-recognized barcodes, including the wrinkled ones in retail commodities, and the vague, damaged ones on parcel bags.

Multi-system support, simply plug and use

Support Windows, Android, Linux and other systems, almost cover retail, logistics, warehousing and many other industries of system adaptation. With USB connection, simply plug and use, no need to install software and debug.

Store management   Inventory Management   Cashier management   Production management

Performance Parameter

Light Sensor	1280*1080 pixels
Light Source	WHITE

Physical Parameter

Size (H*W*D)	175.5mm (H) *85.3mm (W) *64.5mm (D)
Weight	Scanner 212g, Base 200.5g
Working Voltage	4.5V~5.5V (DC)
Current	35mA (Base uncharged)
Interface	USB-HID, USB-CDC
Reminder	Buzz reminder/LED reminder
Housing Material	PC+ABS

Code System

1D	code128、EAN-8、EAN-13、UPC-A、UPC-E、codabar、code11、code32、code39、code93、Interleaved 2of 5、Matrix 2 of 5、IATA 2 of 5、UK Plessey、MSIPlessey、GS1DataBar, etc.
2D	Aztec, Data Matrix, Micro PDF 417, PDF 417, QR, Micro QR, Han xin code, Grid Matrix, etc.

Decoding Range

Barcode	HD (High Density)	SR (Standard Range)
3.33mil Code128	4.5cm~11cm	8.0cm~13cm
10mil Code128	2.5cm~20cm	3.0cm~44cm
10.83mil QR Code	2.5cm~15.0cm	5.0cm~25cm
20.83mil QR Code	2.5cm~22.0cm	2.5cm~46cm

Wireless Transmission Performance BT

Bluetooth	Bluetooth 5.0
Range	2402MHz~2480MHz
Transmission distance	Up to 70m in open space
Communication mode	Real-time mode/Batch mode

Scanning Performance

Scanning Accuracy	≥3mil
Scanning Angle	(pitch)：±65°；(skew)：±45°；(tilt)：360°
View Angle	Horizontal：39.6°, Vertical：33.8°, Diagonal：50.4°
Minimum Reading Contract	15%
Motion Tolerance	15mil code128 1.5m/S

Environment Parameter

Working Temperature	0℃~50℃
Storage Temperature	-40℃~70℃
Humidity	5%~95% (No condensation)
Ingress Protection	IP52
Drop Specification	Multiple drops to concrete floor from the height of 1.8m
Ambient Light	0Lux~100000Lux
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Scanning Configuration

Battery Life	2600mAh
Charging Time	5 Hour (5V/2A)
Working Time	≥12h
Scan Times	Up to 100,000 times for one single charge

Corresponding Regulations

Electric Safety	IEC 62368
Environmental Specification	RoHS directive 2011/65/EU, GB/T 26572
LED Safety	IEC 62471:2006
EMI/RFI	FCC Part 15 Class B, EN 55032:2015, EN 55035:2017

Accessories

Standard Accessories	USB cable*1, Power cord*1, user manual*1
Optional Accessories	Cradle

Intelligence to future | iData

iData J16 Wired high-performance scanner

Built for electronics manufacturing & industrial manufacturing

iData J16 is a wired high-performance scanner. iData's innovative scanning technology, which has multi-spectral scanning, polarized light elimination technology and algorithm optimization, can effectively solve the problems of hard-to-recognized barcodes in electronic manufacturing and industrial manufacturing. With USB connection, simply plug and use, a quick way to upgrade your business.

Multi-spectral technology, quickly read low-contrast barcodes

DPM codes in electronic manufacturing and industrial manufacturing are mostly produced by dot engraving, laser etching, or chemical etching, etc. In terms of barcodes such as vague, damaged, low contrast, the built-in smart algorithm can match the best light source for quick barcode capture.

Polarized light elimination, reduce reflection and ghosting

For strong reflective materials such as metal, glass, and ceramic tiles, the new generation of optical design can effectively eliminate the influence of polarized light, and solve the problems of overexposure and ghosting caused by surface reflection, which are difficult to read.

Efficient decoding algorithm, fast and accurate decoding

NPU acceleration technology; 60,000+ barcode case library. The latest generation of decoding algorithm can quickly read and decode accurately. Besides, it can be adjusted perfectly according to electronic manufacturing ultra-miniature barcodes, it can read up to 1.667mil barcodes.

| Home appliance assemble | Automobile Manufacturing | Parts management | Electronics management |

J16 Technical Specifications

Performance Parameter

Light Sensor	1280*1080 pixels
Light Source	WHITE, RED, BLUE

Physical Parameter

Size (H*W*D)	174.82mm (H) *85.3mm (W) *64.48mm (D)
Weight	153g
Working Voltage	4.5V~5.5V (DC)
Current	175mA (typical) , 460mA (maximum)
Interface	USB-HID, USB-CDC, RS232
Reminder	Buzz reminder/LED reminder
Housing Material	PC+ABS

Code System

1D	Codabar, Code 11, Code 128, Code 32, Code 39, Code 93, EAN 13, EAN 8, UPC-A, UPC-E, IATA 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, Straight 2 of 5, MSI/Plessey, GS1 DataBar, etc.
2D	Aztec, Data Matrix, MicroPDF 417, PDF 417, QR, Micro QR, Grid Matrix, etc.

Decoding Range

Decoding Range	XD (Ultra-high Density)	HD (High Density)	SR (Standard Range)
3.33mil Code128	0.5cm~3cm (0.016" to 0.1")	2.5cm~14cm (0.98" to 5.51")	9.5cm~16.0cm (3.74" to 6.30")
10.83mil Code128	0.5cm~5cm (0.016" to 0.16")	0.5cm~19cm (0.2" to 7.48")	2.0cm~50.0cm (0.79" to 19.69")
5.83mil QR Code	0.5cm~3cm (0.016" to 0.1")	3.5cm~8.5cm (1.38" to 3.35")	11.0cm~13.5cm (4.33" to 5.31")
20.83mil QR Code	0.5cm~6.5cm (0.016"~0.21")	1.5cm~21cm (0.59" to 8.27")	4.0cm~95.0cm (1.57" to 37.40")

Scanning Performance

Scanning Accuracy	≥3mil
Scanning Angle	(pitch): ±70°; (skew): ±60°; (tilt): 360°
View Angle	Horizontal: 44.3°, Vertical: 28.4°, Diagonal: 51°
Minimum Reading Contract	15%
Motion Tolerance	13mil UPC 2m/S (Support up to 8m/s in high motion tolerance mode)

Environment Parameter

Working Temperature	0℃~50℃
Storage Temperature	-20℃~70℃
Humidity	5%~95% (No condensation)
Ingress Protection	IP52
Drop Specification	Multiple drops to concrete floor from the height of 1.8m
Ambient Light	0Lux~100000Lux
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Corresponding Regulations

Electric Safety	IEC 60950
Environmental Specification	RoHS directive 2011/65/EU, GB/T 26572
LED Safety	IEC 62471:2006
EMI/RFI	FCC Part 15 Class B, EN 55032:2015, EN 55035:2017

Accessories

Standard Accessories	USB cable*1, user manual*1
Optional Accessories	Cradle, serial cable

Intelligence to future | iData

iData J16-BT Wireless Bluetooth scanner

No cable limit, better user experience

iData J16-BT is a wireless Bluetooth scanner. It connects the scanner and the base via Bluetooth, enabling workers to work far from the workbench. The scanning technology designed for electronic and industrial manufacturing can effectively reduce the working difficulty. It can configure scanner smart assistants in batches, optimizing the scanner management.

Efficient Bluetooth transmission, no cable limit
The scanner and the base are connected via Bluetooth 5.0, the transmission distance can reach 70m, and it supports wireless long-distance scanning. Workers can work remotely from workbench without cable limit.

Scanning technology for electronics and industrial manufacturing
iData's innovative scanning technology, which has multi-spectral scanning and barcode imaging optimization, can effectively solve the problems of hard-to-recognized barcodes of low-contrast, damaged, and reflective. It empowers workers to easily handle micro barcodes, high-density barcodes, low-contrast barcodes, DPM codes, etc.

Smart scanner assistant, improve capacities in scanner configuration and deployment
Workers can configure the scanners in batches through mobile phones/computers, obtain device information, and quickly upgrade in batches. Enterprise workers can efficiently manage all scanners through simple operations.

| Home appliance assemble | Automobile Manufacturing | Parts management | Electronics management |

J16-BT Technical Specifications

Performance Parameter

Light Sensor	1280*1080 pixels
Light Source	WHITE, RED, BLUE

Scanning Performance

Scanning Accuracy	≥3mil
Scanning Angle	(pitch)：±70°；(skew)：±60°；(tilt)：360°
View Angle	Horizontal: 44.3°, Vertical: 28.4°, Diagonal: 51°
Minimum Reading Contract	15%
Motion Tolerance	13mil UPC 2m/S (Support up to 8m/s in high motion tolerance mode)

Code System

1D	Codabar, Code 11, Code 128, Code 32, Code 39, Code 93, EAN 13, EAN 8, UPC-A, UPC-E, IATA 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, Straight 2 of 5, MSI/Plessey, GS1 DataBar, etc.
2D	Aztec, Data Matrix, MicroPDF 417, PDF 417, QR, Micro QR, Grid Matrix, etc.

Decoding Range

Decoding Range	XD (Ultra-high Density)	HD (High Density)	SR (Standard Range)
3.33mil Code128	0.5cm~3cm (0.016" to 0.1")	2.5cm~14cm (0.98" to 5.51")	9.5cm~16.0cm (3.74" to 6.30")
10.83mil Code128	0.5cm~5cm (0.016" to 0.16")	0.5cm~19cm (0.2" to 7.48")	2.0cm~50.0cm (0.79" to 19.69")
5.83mil QR Code	0.5cm~3cm (0.016" to 0.1")	3.5cm~8.5cm (1.38" to 3.35")	11.0cm~13.5cm (4.33" to 5.31")
20.83mil QR Code	0.5cm~6.5cm (0.016"~0.21")	1.5cm~21cm (0.59" to 8.27")	4.0cm~95.0cm (1.57" to 37.40")

Wireless Transmission Performance BT

Bluetooth	Bluetooth 5.0
Range	2402MHz~2480MHz
Transmission distance	Up to 70m in open space
Communication mode	Real-time mode/Batch mode

Physical Parameter

Size (H*W*D)	174.69mm (H) *84.32mm (W) *64.68mm (D)
Weight	Scanner: 215g; Base: 193g
Working Voltage	4.5V~5.5V (DC)
Current	40mA (Base uncharged)
Interface	USB-HID, USB-CDC, RS232
Reminder	Speaker(voice) reminder/LED reminder/Vibration reminder
Housing Material	PC+ABS

Environment Parameter

Working Temperature	0℃~50℃
Storage Temperature	-20℃~70℃
Humidity	5%～95%（No condensation）
Ingress Protection	IP52
Drop Specification	Multiple drops to concrete floor from the height of 1.8m
Ambient Light	0Lux~100000Lux
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Scanning Configuration

Battery Life	2600mAh
Charging Time	5 Hour (5V/2A)
Working Time	≥12h
Scan Times	Up to 100,000 times for one single charge

Corresponding Regulations

Electric Safety	IEC 60950
Environmental Specification	RoHS directive 2011/65/EU, GB/T 26572
LED Safety	IEC 62471:2006
EMI/RFI	FCC Part 15 Class B, EN 55032:2015, EN 55035:2017

Accessories

Standard Accessories	USB cable*1, user manual*1, power cord*1
Optional Accessories	Cradle, serial cable

Intelligence to future | iData

iData M300 Portable thermal Bluetooth printer

More flexible ways to use, higher working efficiency

iData M300 is a portable thermal Bluetooth printer. The lightweight housing design makes it convenient for workers to take it everywhere. The powerful battery life keeps the device working for long hours, it can be used in express and logistics, E-commerce and retail, supermarket management, etc. M300 can optimize your management level in warehouses, retail stores, and customer service.

Get access to high-quality printing support anytime
The advanced Bluetooth technology enables workers to get connected anytime anywhere to access the printing support. M300 is compatible with almost all types of thermal labels, including cover sheets, receipts, box marks, price tags, outbound labels, etc.

Powerful battery life to keep working for long hours
The 2000mAh big battery can meet the great demand for battery life for every worker. You can almost get started right away without waiting for charging.

Ultra-rugged design improves your ROI
The unique way to open the top cover by pressing the middle button can reduce device wear while replacing the media rolls. The industrial-level housing design can cool down the device in a short time so that the printer can keep printing non-stop for large-scale work. You can get a higher return with one single purchase.

Express logistics

Supermarket management

Catering and Entertainment

Smart inspection

M300 Technical Specifications

Basic specifications

Printing Method	Thermal
Resolution	203dpi
Max. Printing Rate	65mm/s
Max. Printing Width	72mm
Max. Printing Length	300mm
Memory(RAM+ROM)	4+16MB
Media Sensor	Down penetration sensor

Barcodes

1D	Code39/93/128、CodaBar、EAN-8/13、UPC-A/E、ITF, etc.
2D	QR Code、PDF417, etc.

Environment Parameter

Working (Temperature/Humidity)	5～40℃/ 20～90%（non-condensation）
Storage (Temperature/Humidity)	-25～55℃/ 20～93%（non-condensation）

Consumables

Type	Thermal Labels, Black label (Front)
Width	80mm
Thickness	0.06-0.15mm
Media Dia.	Max. 50mm

Structural Parameters

Size(L*W*H)	111*109*60mm
Weight	226g(without battery); 342g(with battery)

Interface Type

Standard	Type-C, Bluetooth

Power Adapter

Input	AC100-240V 1A 60/50HZ
Output	+5V--2A

Battery

Standard	2000mAh rechargeable lithium battery

Intelligence to future | iData

iData D400
High-performance desktop thermal printer

Outstanding printing performance, improve your ROI significantly

iData D400 is a high-performance desktop thermal printer, the quick printing rate improves your efficiency dramatically. The extra-large media compartment makes it possible to print batch work non-stop without replacing media rolls. D400 can be applied to many industries to print various types of labels, the continuously working capacity improves your ROI rapidly.

Super fast printing rate improves your working efficiency
Up to 150mm/s in printing rate, D400 can complete batch printing within a very short period. The workers can take the most advantage of the time to paste the labels while the printer is printing labels.

Compatible with various label types, large media compartment for all kinds of business
D400 is compatible with all kinds of thermal labels, such as electronic cover sheets, price tags, outbound labels, material recognition labels and continuous thermal labels. The diameter of the media compartment is up to 127mm so you don't need to change it frequently.

With powerful heat dissipation, the printer works non-stop
The base has a 3-hole cooling design to assure stable printing quality when using different types of media rolls. The heat dissipation structure can protect the printer head from overheating so that your printer is able to work continuously.

| Medical healthcare | Express logistics | E-commerce storage | Retail stores |

D400 Technical Specifications

Basic specifications

Printing Method	Thermal
Resolution	203dpi
Max. Printing Rate	150mm/s
Max. Printing Width	108mm
Max. Printing Length	300mm
Memory(RAM+ROM)	2+16MB
Media Sensor	Penetration sensor

Barcodes

1D	UPC-A/E、EAN-8/13、Code39/93/128, etc.
2D	QR Code、PDF417, etc.

Environment Parameter

Working (Temperature/Humidity)	5～40℃/ 20～90%（non-condensation）
Storage (Temperature/Humidity)	-25～55℃/ 20～93%（non-condensation）

Consumables

Type	Thermal Labels, continuous labels
Width	40mm - 110mm
Thickness	0.06-0.2mm
Media Dia.	Max. 127mm
Roll Inner Dia.	25.4mm

Structural Parameters

Size(L*W*H)	220*177*177mm
Weight	1.27Kg

Interface Type

Standard	USB
Optional	Bluetooth, Ethernet port

Power Adapter

Input	AC100-240V 1A 60/50HZ
Output	+24V--2A

Intelligence to future | iData

iData

MDM

Mobile terminal management platform

MDM is a mobile terminal management cloud platform, including device management, location management, authority management, application market, file push, system upgrades, and other functions. It can help companies effectively manage all PDA devices and improve the efficiency of the equipment.

Equipment management

It can implement equipment and batch configuration group management.

Device Locating

Device Locating is useful when you need to find the device, while Geofencing ensures that the device is used in the workplace.

Authority management

It manages equipment authority and carries out hierarchical management of different staff.

Application market

This is the only way to get the latest official Apps and the fastest way to upgrade your device through the remote push of the new version.

File push

It publishes enterprise files remotely, pushes configuration files in batches, and completes configuration deployment quickly.
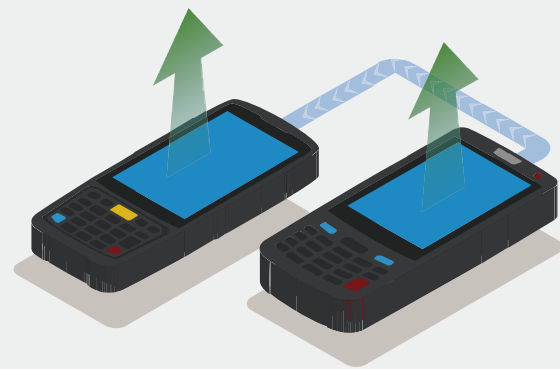
System upgrade

The O.S. will push upgrade notifications automatically so that you can use the latest performance and functions without renewing the device.

iData

OS 3.0

iData OS 3.0 is the latest version we developed based on Android R. We have carried out as many as 200+ optimization projects based on the open-source version. If you combine with the underlying framework of iWork, the system improves significantly in terms of scanning, Wi-Fi, battery life, stability, and compatibility. This OS, which meets industry standards, has helped our clients with technical support, such as hardware upgrades, equipment performance, stability improvement, etc.

The new machine is compatible with the existing programs

The software based on Android 5.1/6.0 can be transferred into Android Q and R seamlessly. It saves your valuable time because there is no need to upgrade the existing APP after the system has been renewed.

Automatically selected scan engine

When it comes to the application of decoding by taking pictures, users can start the scan engine from within the PDA without redevelopment after the iData OS has been installed, which improves the decoding speed significantly.

Quick Wi-Fi deployment

Users can configure the fundamental parameters such as network type/channel/roaming parameters according to the network environment. It provides a Wi-Fi blocklist and safelists so that the device can reject non-working networks or connect only to working networks. You can deploy all these configurations through Cloud.
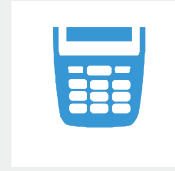
Multiple keyboard layouts and modes

Users can customize the HOME key, Scan key, PTT key, etc. Glove mode is compatible, which is convenient for users to perform screen operations while wearing gloves.

Quick enterprise-specific customization

We provide quick customization of brands, parameters, and enterprise APPs to meet your business requirements so that every end-user can get started immediately without configuration networking.

Multiple api interfaces

When you need to connect iData equipment to your system, various kits are available, including standard scanning, RFID, temperature measurement, equipment management control. All these are made to grant your company quick access to different functions, which is time-saving for the IT department so that the lead time of projects could be guaranteed.

i -Series Practical APP

The i-series, including iTalk, iScan Pro, iConfig, and other applications, are tailor-made by iData based on the frequent application scenarios of our users. It features voice communication, scanning configuration, and device configuration.

iScan Pro

A scanning processing software that includes three main components: setting, demo, and integrated development API, allowing users to configure customized parameters, perform scanning function experience and testing, and support fast application access.

iTalk

A voice communication software enables voice calls by just one button through the network. It allows up to 50,000 people to access and more than 15,000 people to communicate online simultaneously, which meets the communication needs of the staff.

iRemote

This is remote assistance. It supports remote control of terminal equipment, convenient for equipment demonstration or on-site operation confirmation.

iConfig

A device configuration software that can export device applications, caches, and settings and quickly import them to another device, helping users perform batch device settings or renew devices in a short time.

iTelnet

A WMS docking tool that can transfer Windows CE software to Android. It can also customize the screen and add UI logos.

iLauncher

A desktop management software that can lock the device desktop, ensure the efficient operation of the working APP, and ensure uniform device configuration.

iBrowser

A industrial browser, mainly for B/S architecture customers, ensures that the equipment is dedicated to a particular purpose, thus improving productivity.

iWSG

It's a wireless scanning application that allows users to transfer the data collected by the mobile intelligent terminal to the computer in a convenient and fast way.
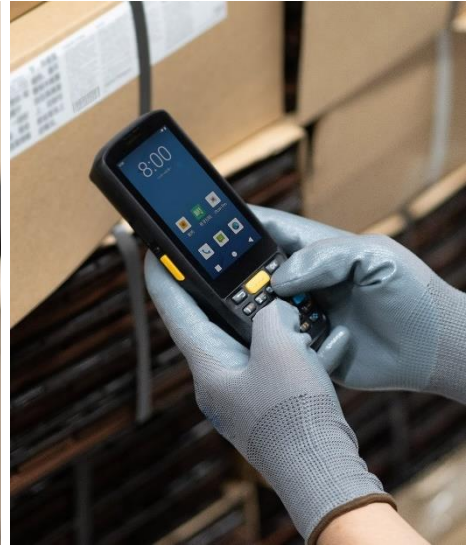
iFace

A face recognition software that can implement multi-face detection and tracking,
non-inductive living body recognition, wearing masks and helmets, age and gender recognition. It's able to work offline.

iWord

It's an OCR recognition software that can recognize Chinese numbers, letters, and special symbols. It supports printing, embossing, coding, metal etching, etc. The recognition speed can reach within 1S and be able to work offline. Industry customization is available on request.

OUR CLIENTS

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