



Industrial PDA

Product Catalog

Company Profile

Prevail Technology specializes in the latest telecom network optimization and Internet of Things (IoT), particularly addressed to the emerging 5G system and digitization transformation as well. We aim to be not only a trustable manufacturer of telecom equipment, but also a professional system solution provider to customers with the up-to-date technology and first level quality. Our ICT products/solutions with the latest technology can well support the operator/integrator customers to accelerate deployment of 5G/4G network and IoT application, minimize CAPEX/OPEX, and meanwhile improve the system performance.

Our commitment to customers is guaranteed by following key features:

- Rich product portfolios:
 - 5G/4G MIMO DAS/repeater (types like MIMO/SISO, digital, multi-band, ICS, fiber optic, etc.)
 - Passive DAS/IBS
 - IoT data terminals
 - CPE
- Concept of High End to continuously develop newest technology and realize commercialization and massive production
- Strong R&D team
- Ability to develop customized products in short time
- Experts to propose the right solutions
- High volume production capability

Philosophy

Technologies prevail.

Vision

To be a driving force in ICT field.

Mission

Focus on radio technology, follow the pace of modern technology evolution.





DC110

Enterprise-level Smart Terminal

Upgrade leading-edges of enterprise workers

Prevail DC110 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 details please check the specifications table

DC110(4G) Technical Specifications

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	960g (including the battery)

Environmental Parameter

Working Temperature	-10°C - 50°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-30°C - 70°C
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)

Accessories (More details in accessories guide)

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

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 4.2
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 (with headset function) *1, USB3.0, Type-A*1, Micro HDMI interface *1
OTG Interface	Support



DC221S

Android Keyboard/Touchcontrol Terminal

Time-tested & cost-effective option

Prevail DC221S 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, DC221S can deal with high-frequency scanning in inventory process.

Multifunctional to meet requirements of different scenes

Equipped with Prevail's self-developed scanning engine, DC221S 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

DC221S 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	8 megapixels of rear camera (optional: 13 megapixels), 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 (support on selected terminals)
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°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (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	500 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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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 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 (More details in accessories guide)

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



DC221C

Low temperature resistant and anti-condensation smart terminal

Cost-effective cold-chain dedicated terminal

Prevail DC221Cold can withstand the low temperature impact of -25°C 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°C 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

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

DC221C Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 9.0/Android 11.0
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 *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°C - 50°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (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	500 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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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 (More details in accessories guide)

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



DC223S

New generation Android Keyboard/Touchcontrol Terminal

More efficient operation, improve enterprise management

Prevail DC223S is a new generation Android keyboard terminal, which has brand-new functions, enhanced battery life design. DC223S 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 Prevail DC223S, 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 DC223S can be operated while wearing gloves.



Store management



E-commerce shipment



Warehouse management



Inventory management

DC223S Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0/Android 12.0
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/PDAF
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°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (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	500 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: 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
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
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

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 (More details in accessories guide)

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



DC225

Lightweight smart terminal

Innovative portability, empower unconnected workers

Nowadays, PDA works not only in warehousing, logistics industries, but also helps workers in all kinds of industries to boost their efficiency. More and more workers who works in apparel stores, libraries, and convenient stores, are able to connect to the digital world by a small portable device, their productivity would eventually benefit from the interconnection.

Innovative portability makes the operation more comfortable

Only 178g in weight, DC225 has developed its portability as a keyboard/touch control smart terminal to a new lightweight level. The workers who use it to work in fulfillment or inventory won't feel tired after a long time holding by hands, the cylindrical housing design makes it even more comfortable.

Small size but versatile for all kinds of business

Small as it is, DC225 is a multifunctional device that can scan, take photos and equipped with 4G network, Wi-Fi and Bluetooth. The workers can apply DC225 to inventory, order fulfillment, and take photos as proof, etc. Besides, DC233 also enables them to talk to each other through voice communication, increasing the collaboration of a whole team.

Compact but durable, lower your cost due to malfunction

With the help of IP54 protection and 1.5m anti-drop, DC225 can survive many accidental drops, impact, or water splash. The workers can work confidently with DC225 in any working environment, and the company won't suffer loss due to malfunction.



Shelving and Removal



Mobile cashier



Inbound management



Inventory management

DC225 Technical Specifications

System Configuration

Processor	Quad-core 2.0GHz high-performance processor
Operating System	Android 10.0/Android 11.0
Memory (ROM+RAM)	16GB + 2GB (standard), 32GB+3GB/64GB+4GB(optional)
SIM	Single SIM card
Display Screen	3.2-inch, resolution: 800*480 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels rear camera(optional 13 megapixels), support auto-focus
Flashlight	800mA flashlight
Keypad	24 keypads in total: front key *21, side scan key *2, side power key *1
Battery	3.85V lithium battery, with 3000mAh, undetachable
Audio	Built-in microphone
Charging Method	Type-C charging, support 18W fast charging
Reminder	High power speaker reminder/vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	158mm*54mm*18.5mm
Weight	178g (including the battery)

Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Ingress Protection	IP54
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 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, fast roaming
Bluetooth	Bluetooth 5.0, support BLE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

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 (More details in accessories guide)

Standard Accessories	USB cable*1, hand strap *1, power adapter*1
Optional Accessories	Fanny pack, protective case



DC225U

Portable RFID Terminal

Unlock RFID reading ability for workers

We understand high-performance RFID reading equipment is efficient for sure, however what your workers carving for might be just a RFID device as portable as they can to accomplish ticket verification, commodity query etc. This lightweight RFID terminal can unlock RFID reading ability without increasing any burdens for workers.

Lighter and more compact RFID terminal

Weight only 185g, it can be carried or hung on the wrist effortlessly. The adjustable 0-1.5m reading range can effectively eliminate misreading rate while verifying tickets and querying commodity information, etc.

More than RFID

DC225U has comprehensive functions, including scanning, photographing, 4G network, Wi-Fi, Bluetooth, etc. Workers can accomplish verification, information query, warehouse management, etc. by scanning, and obtain clear fulfillment certificate by taking photos.

Reduce loss due to product failure

There are inevitable drops, collisions, and water splashes at work. The IP54 protection and 1.5-meter drop resistance save workers from worries in any scenario, reducing loss caused by device failure.



Store inventory management



Packing and Double confirm



E-tag binding



Mobile cashier

DC225U Technical Specifications

System Configuration

Processor	Quad-core 2.0GHz high-performance processor
Operating System	Android 10.0
Memory (ROM+RAM)	16GB + 2GB
SIM	Single SIM card
Display Screen	3.2-inch, resolution: 800*480 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels rear camera, support auto-focus
Flashlight	800mA flashlight
Keypad	24 keypads in total: front scan key *21, side scan key *2, side power key *1
Battery	3.85V lithium battery, with 3000mAh, undetachable
Audio	Built-in microphone
Charging Method	Type-C charging, support 18W fast charging
Reminder	High power speaker reminder/vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	158mm*54mm*18.5mm
Weight	185 g (including the battery)

Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Ingress Protection	IP54
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 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, fast roaming
Bluetooth	Bluetooth 5.0, support BLE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

UHF RFID

Communication Protocol	ISO18000-6C/EPC Class1 Gen2
Working Frequency	920MHz~925MHz
Output Power	0~25dBm
Reading Distance	Up to 1.5m

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 (More details in accessories guide)

Standard Accessories	USB cable*1, hand strap *1, power adapter*1
Optional Accessories	Fanny pack, protective case



DC227

Extendable Android terminal

Assist workers of different positions

Workers have different demands based on their positions. If all devices must be customized, it will increase your budget and take longer time to fulfill. Why not consider just one device with extendable ability to meet all your needs? Prevail anticipates the challenges and develop this extendable Android terminal which can benefit your business by just simple customization.

Extendable back clip design for workers in different positions

Prevail DC227 has an extendable back clip design which can add common modules, such as ID card reading module, UHF module and HF module. Furthermore, it can also support customized module of your enterprise, serving all demands of workers in different positions.

Comprehensive functions to meet common needs

Prevail DC227 has all frequent-used functions, including scanning, photographing, 4G network, Wi-Fi, Bluetooth etc. to meet common needs of workers. With the help of one-key voice call, it can connect all workers easily to improve teamwork efficiency.

28° tilted angle for scanning and verification within seconds

The scanning engine is tilted at 28°, so workers can read information on screen directly without adjusting screen angle right after scanning. The scanning and verification can be done simultaneously.



Store management



Inventory Management



Ticketing management



Production management

DC227 Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 10.0
Memory (ROM + RAM)	16GB + 2GB (standard), 64GB + 4GB (optional)
SIM	Single SIM card (optional ESIM)
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 (optional: 13 megapixels), support auto-focusing(with LED fill-in light)
Flashlight	800mA flashlight
Keypad	24 keypads: front key*20, side scan key *2, side customized key *2 (internal transmission light industrial IMD keyboard)
Battery	3.8V lithium battery, with 5000mAh, 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/Geomagnetic sensor/ Gyroscope
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	159mm*71mm*20mm (without extension clip) 160mm*71mm*36.5mm (with extension clip)
Weight	262g (with battery, without extension clip) 388g (with battery, with extension clip)

Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (without the 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

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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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/AGPS/BDS/Galileo/GLONASS/QZSS

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 10 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 (More details in accessories guide)

Standard Accessories	USB cable*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



DC228

Ultra-rugged Android terminal

Industrial-level durability, long-time reliability

Prevail DC228 is an ultra-rugged Android smart mobile terminal designed for large-scale warehouses, goods transportation centers, and manufacturing factories, etc. DC228 features excellent performance and reliability, ultra-long product lifespan. Thus, your enterprise can benefit from a single purchase of DC228 for a very long time.

Ultra-long product lifespan

DC228 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, DC228 can 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 DC228 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, DC228 can connect to all kinds of earphones, printers and various extensive applications.



Production Management



Inventory management



Oil/gas/electricity management



Construction site management

DC228 Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0/Android 12.0(GMS)
Memory (ROM+RAM)	64GB + 4GB (standard)
SIM	Dual SIM card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	4-inch, resolution: 800*480 pixels
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°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C
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	500 times of roller drops from a height of 1 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: 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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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 (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 (More details in accessories guide)

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



DC228C

Ultra-low temperature resistant and condensation-free smart terminal

Dedicated to improving cold-chain productivity

Prevail DC228 Cold is an innovative smart terminal that survives ultra-low temperature -30°C environments. With the help of condensation-free technology, DC228 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, DC228 Cold will heat itself automatically to assure quick scanning and recording after sorting process. The cold-core battery which can withstand -30°C , is able to work long hours in low-temperature cold storage environments.

Improve workers' fulfillment capacity and accuracy

DC228 Cold can 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.



Fresh food
Delivery



Cold storage
management



Meat deep
processing



Vaccine/drugs
traceability

DC228C Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0/Android 12.0
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 pin port 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°C - 50°C *Do not charge under low temperature conditions for the safety Concerns
Storage Temperature	-40°C - 70°C
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	500 times of roller drops from a height of 1 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: 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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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 (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 (More details in accessories guide)

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



DC229

Android keyboard/touch control terminal

Reasonable cost, popular option for workers

Hundreds of thousands of workers connect to the digital world through Prevail 95 series every day. This simplify the working process, making warehouse management, express sorting, shipments of manufacturing factory and E-commerce much easier. The DC229 has equipped with Prevail's latest scanning engine, improving capability to a new level so that it anticipates both current and future challenges.

Meet the operational needs of more workers

Comprehensive functions, including scanning, photographing, 4G network, Wi-Fi, Bluetooth, etc. Workers can easily accomplish tasks of inventory, fulfillment, photographing certificates, etc., or connect printers and other accessories to enjoy extended applications .

A new generation of scan engine to improve capabilities

Prevail's latest scanning engine can quickly identify almost any barcode in express, retail, and manufacturing despite that the barcode is damaged or contaminated. This will greatly upgrade your business capabilities.

Meet the needs of high-frequency and long-time shifts

The 4100mAh large battery can easily survive high frequency and long-time shifts in express sorting and shipments of E-commerce. The battery is detachable so that the device can work continuously after battery replacement.



Store management



Inventory management



Ticketing management



Production management

Model DC229 and DC229 Pro available, for details please check the specification table

DC229 Technical Specifications

System Configuration

Processor	Quad-core 1.3GHz high-performance processor
Operating System	Android 6.0
Memory (ROM + RAM)	16GB + 2GB
SIM	Single SIM card
Expansion Slot	Micro SD card (up to 32 GB)
Display Screen	3.5-inch, resolution: 960*640 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(with LED fill-in light)
Flashlight	800mA flashlight
Keypad	25 keypads: front key*23, side scan key *2 (internal transmission light industrial IMD keyboard)
Battery	3.7V lithium battery, with 4100mAh, detachable 3.7V lithium battery, with 6000mAh, detachable
Audio	Built-in microphone
Charging Method	Type-C charging and pin port charging
Reminder	Vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	152mm*68mm*24mm
Weight	255g (with battery)

Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (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	500 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	Micro USB*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)	2G: B2/B3/B5/B8 3G: WCDMA: B1, TD-SCDMA: B34/B39 4G: FDD-LTE: B1/B3/B5, TDD-LTE: B38/B39/B40/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 (2.4G + 5G dual-band Wi-Fi)
Bluetooth	Bluetooth 4.0, support BLE
GPS	GPS/AGPS/BDS/GLONASS

NFC (Optional)

Working Frequency	13.56 MHz
Reading Distance	Within 50 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 (More details in accessories guide)

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



DC229U

Portable RFID Terminal

Reasonable price, comprehensive functions

The RFID technology makes inventory, inspection, asset management, order more efficient. Prevail DC229U is a comprehensive and cost-effective portable RFID terminal which enables your employees to read barcodes and RFID tags, helping them improve work efficiency and accuracy.

Excellent mid-range RFID reading performance

With RFID module on the back, the reading rate of Prevail DC229U can reach up to 200tags/s, and the farthest reading range can reach 6m. It can meet almost all application requirements of multiple scenarios such as inventory, inbound and outbound management, product inquiry, mobile inspection, and asset management.

Comprehensive functions to meet operation needs

Functions such as scanning, photographing, 4G network, Wi-Fi, Bluetooth are all available. Workers can use scanning to perform verification, inquire information, manage inbound and outbound goods, they can also take clear pictures as a proof of order fulfillment.

Ultra-rugged and long batter life

The excellent protection has Prevail DC229U survive various accidental drops and collisions, ensuring the safe and stable operation of the device. The 6000mAh super-large battery can meet the battery life requirements of mobile inspection, asset management, inventory, and warehouse management within a whole day.



Store management



Meter-reading management



Ticketing management



Mobile enforcement of Laws

DC229U Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 10.0
Memory (ROM+RAM)	16GB + 2GB
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	3.5-inch, resolution: 960*640 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels rear camera, support auto-focus
Flashlight	800mA flashlight
Keypad	25 keypads in total: front key*23, side scan key *2 (transparent industrial IMD keyboard)
Battery	3.7V lithium battery, with 6000mAh, detachable
Audio	Built-in microphone
Charging Method	Type-C and Pin-port charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor
Intercom Function (optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	189mm*70mm*43.5mm
Weight	383g(including the battery)

Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety Concerns
Storage Temperature	-40°C - 70°C
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	500 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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN Function	Wi-Fi 802.11ac/a/b/g/n/r (2.4G + 5G dual-band Wi-Fi) support Wi-Fi 5G PA amplifier, fast roaming
Bluetooth	Bluetooth 5.0, support BLE
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

UHF RFID

Communication Protocol	ISO18000-6C/EPC Class1 Gen2
Frequency	920MHz~925MHz/902MHz~928MHz/865MHz~868MHz
Output Power	5~30dBm
Antenna	Circularly polarized antenna
Reading Distance	Up to 6m
Reading Rate	Up to 200tags/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 (More details in accessories guide)

Standard Accessories	USB cable*1, power adapter*1, battery*1, hand strap*1
Optional Accessories	Bottom charger, protective film



DC211

Enterprise-level Smart Terminal

Thin, durable and portable, multifunctional working assistant

Prevail DC211 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

DC211 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 Identification (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°C - 60°C *Do not charge under low temperature conditions for the safety Concerns
Storage Temperature	-40°C - 60°C (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Ingress Protection	IP68
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Accessories (More details in accessories guide)

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

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



DC212S

5G Large screen high-performance terminal

Designed for field work environment

Prevail DC212S is a large screen high-performance terminal with 5G 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. DC212S is the dedicated practical mobile terminal for staffs who work outdoors environment, such as large-scale ports, Exhibition arenas, etc.

5G WAN, more jobs can be done quicker

5G 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), DC212S 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

4G/5G version available, for more details please check the specifications table

DC212S(5G) Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0
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 1TB)
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 \pm 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°C - 60°C *Do not charge under low temperature conditions for the safety Concerns
Storage Temperature	-40°C - 70°C
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	500 times of roller drops from a height of 1 meter
Ingress Protection	IP67
ESD Protection	\pm 15KV (air discharge), \pm 8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1, USB3.0
OTG Interface	Support

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional barcodes
Scanning Accuracy	\geq 3.33mil
Scanning Angle	Pitch: \pm 60°; Skew: \pm 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 5G: N1/N3/N38/N41/N77/N78/N79 American version: 2G: B2/B3/B5 3G: B1/B2/B4/B5, CDMA&EVDO: BC0/BC1 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41 5G: N1/N3/N38/N41/N77/N78/N79
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+ /EVDO/WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE/SA/NSA/Sub6
WLAN Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support fast roaming
Bluetooth	Bluetooth 5.1
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 (More details in accessories guide)

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



DC212HC

New-generation 5G Medical Terminal

Achieving better nursing service

With the help of new generation of 5G medical terminals, real-time interconnection among patients, doctors, and nursing staff can be realized. The 5G networks can be used to upload/query patient information, and remote consultations can have medical teams achieve better nursing service.

New-generation 5G network enables faster connection between patients and medics

The faster and lower-latency 5G 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

4G/5G version available, for details please check the specification table

DC212HC(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 + 300,000 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
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°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (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	500 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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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 (More details in accessories guide)

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



DC212U

High-performance RFID Terminal

Serve purposes of fast-growing business

Prevail DC212U 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 worker's 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.

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

for more details please check the specifications table

DC212U (4G) Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 12.0
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	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°C - 60°C *Do not charge under low temperature conditions for the safety Concerns
Storage Temperature	-40°C - 70°C
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	500 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: 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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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/AGPS/BDS/Galileo/GLONASS/QZSS/GNSS

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 700tags/s

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 (More details in accessories guide)

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



DC212X

Portable RFID Terminal

All-in-one design to work in multiple scenarios

Prevail DC212X 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 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 multi-scenario

The back RFID module has a reading rate of up to 200tags/s and a farthest reading range of up to 6m. This can almost meet the application needs of multiple scenarios such as inventory, inbound and outbound management, commodity inquiry, inspection, and asset management.

4G WAN, outdoor network is faster

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



DC212X Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11.0
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*97mm*145mm (Thickest 25mm)
Weight	315g (including the battery)

Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (without battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	500 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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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/AGPS/BDS/Galileo/GLONASS/QZSS/GNSS

UHF RFID

Communication Protocol	ISO18000-6C/EPC Class1 Gen2
Frequency	920MHz~925MHz/902MHz~928MHz/865MHz~868MHz
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)

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 (More details in accessories guide)

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



DC214

Lightweight touch control smart terminal

Connect store associates, provide excellent customer service

Store associates who serve customers closely are longing for a compact smart device to help them with various working process, such as offering considerate customer service, inquiring product information, and voice chatting with team members, and addressing concerns of customers. This will not only provide our customers with better shopping experience, but also contribute to the sales revenue increase.

The portability of multiple mounting ways improves efficiency

Only 140g in weight. The accessories, including neck strap, arm mount and retractable buckle make it more portable and convenient. The working efficiency would be increased due to the improved portability while providing customer service, store replenishment, and inventory, etc.

Connect store associates to optimize the collaboration as a team

The shop associates can call someone to help address customer's concerns by voice communication, inform colleagues in the warehouse to prepare the products that customers need, or request colleagues to follow up customers in other areas. These make collaboration smoother as a team and customer would be more satisfied.

Multiple trending color options, upgrade the image of the store

The store decoration and the uniform of associates represent the image of the store. With multiple trending color options of DC214, you can pick one that matches with your store, so that the first impression would be consistent and convincing to the customer.



Store inventory Management



Packing and Double-confirm



E-price tag Binding



Mobile Cashier

DC214 Technical Specifications

System Configuration

Processor	Quad-core 2.0GHz high-performance processor
Operating System	Android 10.0
Memory (ROM+RAM)	16GB + 2GB (standard)
SIM	Single SIM card
Display Screen	3.5-inch, resolution: 1440*720 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch/gesture operation
Camera	8 megapixels rear camera, 5 megapixels front camera, support auto-focus
Flashlight	800mA flashlight
Keypad	6 keypads in total: front scan key *1, side scan key *2, side power key *1, side volume key*2. support virtual key
Battery	3.85V lithium battery, with 2000mAh, undetachable
Audio	Built-in microphone
Charging Method	Type-C charging and pin port charging, support 15W fast charging
Reminder	High power speaker 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)	117mm*58mm*15.9mm
Weight	140g (including the battery)

Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety Concerns
Storage Temperature	-40°C - 70°C (without the 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

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 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, fast roaming
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 (More details in accessories guide)

Standard Accessories	USB cable*1, hand strap *1, power adapter*1
Optional Accessories	Single charging cradle, bottom charger, 4-slot charging cradle, retractable buckle, arm mount, hanging cradle, iRing, protective film



DC235

Android touch control terminal

Great value for all kinds of business

Prevail DC235 is an Android touch terminal which is like 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

DC235 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 thick)
Weight	230g (including the battery)

Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete 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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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 (More details in accessories guide)

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



DC235HC

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. Prevail DC235HC 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

DC235HC 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
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 4500mAh, 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°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C (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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO /WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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 (More details in accessories guide)

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



DC235U

Detachable High-performance RFID Terminal

Flexible to meet needs of workers

Prevail DC235U 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, Prevail 50 can read up to 10m distance and the rate can reach up to 700tags/s. This enables Prevail 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

DC235U 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), support auto-focus (LED fill in light); 5 megapixels front camera
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°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 70°C
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Ingress Protection	IP67
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 (The United States) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41
WWAN (Data Service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN 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 (More details in accessories guide)

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



DC325

Generic wireless Bluetooth scanner

No cable limit, improve the efficiency of more workers

Prevail DC325 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. DC325 reduces customers' waiting time, speeds up the turnover rate of logistics. Workers from different positions can benefit greatly from using DC325 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, DC325 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

DC325 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	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, MSI Plessey, 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°C~50°C
Storage Temperature	-40°C~70°C
Humidity	5%~95% (No condensation)
Ingress Protection	IP52
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
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



DC326

Wireless Bluetooth scanner

No cable limit, better user experience

Prevail DC326 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

Prevail'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

DC326 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 1.5m/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°C~50°C
Storage Temperature	-20°C~70°C
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	2600mAh
Charging Time	5 Hour (5V/2A)
Working Time	≥12h
Scan Times	Up to 100,000 times for a 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



DC315

Generic Wired Scanner

Improve the efficiency of more workers

Prevail DC315 is a generic wired scanner, which has been 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 DC315.

Quickly barcode reading by Prevail 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

DC315 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°C~50°C
Storage Temperature	-40°C~70°C
Humidity	5%~95% (No condensation)
Ingress Protection	IP52
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
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



DC316

Wired high-performance scanner

Built for electronics manufacturing & industrial manufacturing

Prevail DC316 is a wired high-performance scanner. Prevail'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

DC316 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°C~50°C
Storage Temperature	-20°C~70°C
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



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