Smart Identify
Smart choice you choose

RFID
Reader

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www.smartiden.com

@smartidentify LINE

smartidentify

Company profile

Smart Identify Ltd., is established in 2009. Our main products lines can be divided into 2 product lines to meet customer needs. One is RFID product & solution and other one is Automatic Machinery & Solution

For Our RFID Product is fast growing provider with years of experience in providing RFID Solution. We will satisfy customers who want to improve their system to be the international standard by applying RFID in production line or traceability system in many systems such as Logistic, Access control, Food and animal Traceability, Asset control, Warehouse management system, Personal identification or etc.,

We supply all frequency reader & tag such as 125 Khz, 13.56 Mhz. 920-925 Mhz., and 2.4 G. We also support customer to meet their requirement and to making their project sucessful. Our RFID product line is

1. RFID Tag (Transponder) is smart card / wristband / label tag / silicon tag / laundry tag / Metal tag / pallet tag / windshield tag and etc.,

2. RFID reader, we provide desktop reader / integrate reader / fix & antenna reader / Handheld reader and etc.,

3. RFID solution, we develop integrate software (middle software) for connect with your backbone system, we also do the customize software and project turn key for your solution system.

Smart identify Ltd., hope that we can be your smart choice when you think of RFID hardware & solution in nearly future.

RFID Reader

RFID Desktop Reader

LF 125 Khz.

Proximity Card Reader for 125 Khz. This reader customer can choice the sub model for output format according your system using.

Model	L120
Dimension	104x68x10 mm.
Weight	39 g
Power supply	5V
Effective distance	1-10 cm.
Communication interface	USB

*Read cards with notepad

Our reader Model L120 can be choose sub model which customer can choose the output format as you wish for your project.

Model	Output Format	Interface	Model	Output Format	Interface
L121U	8 digit Hex	USB	L123U	10 digit Hex	USB
L122U	10 digit Dec	USB	L124U	18 digit Dec	USB

*L120 is available in our stock for other sub model use lead time 7-12 days for delivery

Mainly LF & HF desktop reader use to register LF & HF Smart Card in system.

Smart Card

Desktop Reader

HF 13.56 Mhz.

There are 3 Main model for 13.56 Mhz. reader which we divide the function as follow this

Model H136 : Reader & writer Card & Tag ISO14443A&B

Model H736 : Reader & writer Card & Tag ISO14443A&B, ISO15693

Model H937 : Reader & writer Card & Tag ISO15693

H136 USBL*	H136 UKBL	H136 USB	H136 SR	H136 SRIP
H736 USBL	H736 UKBL	H736 USB	H736 SR	H736 SRIP
H937 USBL	H937 UKBL	H937 USB	H937 SR	H937 SRIP

USB-L	UKBL	USB	RS232	RS232 + TCP/IP
Read & write	Read only Keyboard less	Read & write	Read & write	Read & Write
105x70x11 mm.	105x70x11 mm.	115x82x25 mm.	123x94x29 mm.	123x94x29 mm.
80 g.	80 g.	88 g.	144 g.	144 g.

*Except the model H136-USBL that can only read & write ISO14443A

LF and HF Desktop reader will give the short range read distance.

RFID Card

touch or 1 cm.
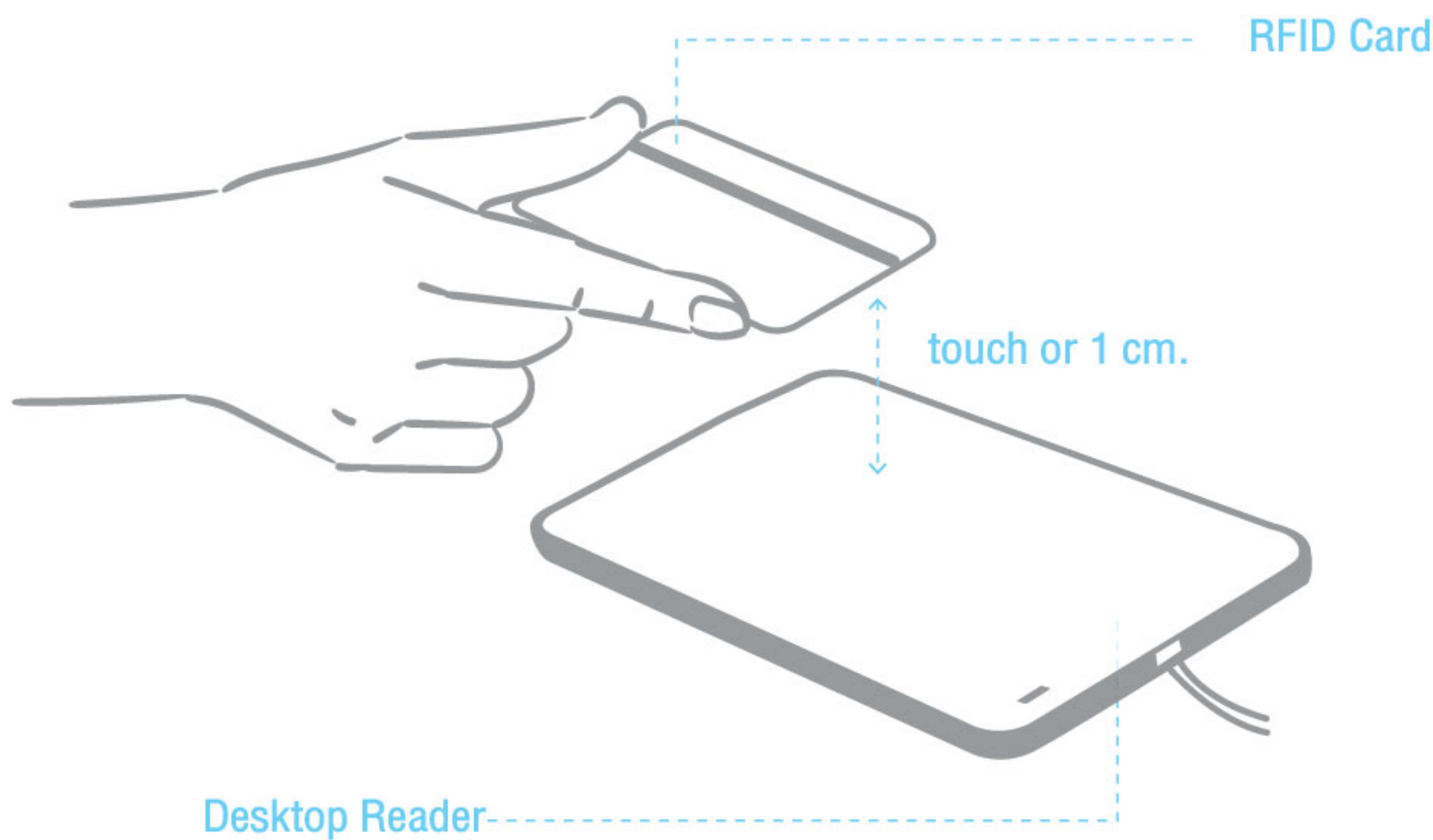
Desktop Reader

UHF 920-925 Mhz.

UHF Desktop reader can read and write UHF tag , the read distance is 3 - 10 cm. (depend on tag)

U809-USB	U816-UBSR	U816-SRIP	U861DKIP	U6210
USB Read & Write	USB + RS232 Read & Write	RS232 & TCP/IP Read & Write	TCP/IP (RJ45), Read & Writer	USB Read & Write
105x70x11 mm.	122.4x84x20 mm.	123x94x29 mm.	160x110x35 mm.	142x85x20 mm.
80 g	100 g	144 g	420 g	200 g
5V	9V	9V	9V	USB power supply

*U6210 is 2 in 1 can be switch mode to be UKBL (plug & play) or USB (read & write)

*The model U861DKIP support port RS232 and Wiegand 26/34, TCP/IP and have optional wifi (DKwifi)

UHF desktop reader use to encode UHF tag before using in system.

Desktop Reader
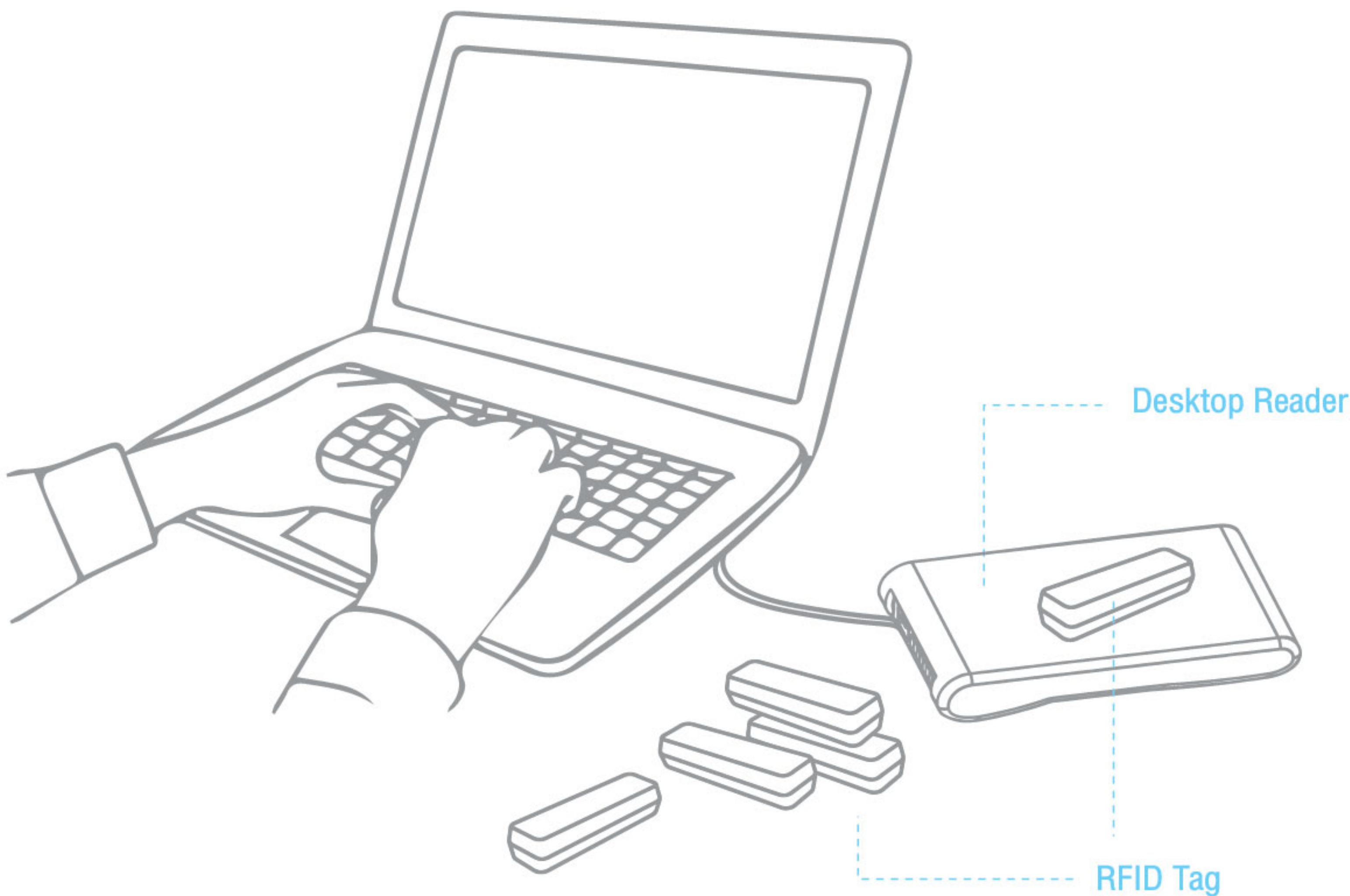
RFID Tag

RFID Fix Reader (Controller)

RFID fix reader also known as RFID Controller is responsible for reading values from the RFID tag. This type of reader does not have the antenna inside the device. The customer must to buy the antenna for installation together. The advantage point is customers can choose the suitable type of antenna for their system to reading RFID tag

UHF Fixed Reader Model UF2861-POE

- Self-intellectual property
- Support ISO18000-6C(EPC C1G2), ISO18000-6B protocol tag
- 920~925MHz. frequency
- FHSS or Fix Frequency transmission
- RF output power up to 30dbm (adjustable)
- 4 TNC antenna port with antenna auto-tuning and failure-detection
- Support auto-running, answer and trigger-activating work mode
- Support EPC and TID inventory
- Low power dissipation with single +9 DC power supply
- Support RS232, RS485, RJ45 (TCP/IP) with other interface POE optional

Warehouse   **Storage room**

UHF High Performance Fixed Reader U2889LITE

- Self-intellectual property
- 840~960MHz frequency band (frequency customization optional)
- Based on Impinj R2000 high performance RF engine, excellent multi-tag anti-collision operation, fully support EPC CLASS1 G2 \ ISO18000-6B protocol tags
- FHSS or Fix Frequency transmission with maximum inventory speed over 700pcs
- Support RSSI
- RF output power up to 33dbm (adjustable)
- Support 8 TNC antenna port with antenna failure detection
- Tag buffer: 1000pcs@96bitsEPC
- Low power dissipation with single +9 DC power supply, POE (Power over Ethernet) is optional
- Support RS232, USB(Slave), RJ45 (TCP/IP) interface
- Provide DLL and Demonstration Software Source code to facilitate further development
- High reliability design, meet the requirements of harsh working environment

Warehouse   **Storage room**

*There are many models of fix reader in our website

RFID Antenna

Antenna is used with the fix reader (controller) to send signal from reader to RFID tag and receive value from RFID tag to fix reader. We provide many types of antenna design to use and choose for suitable with your system.

Model	SID-ANT-U3VP-1613	SID-ANT-U3VP-1212	SID-ANT-UANTD1110	SID-ANT-U4CP-1616	SID-ANT-U8CP-802	SID-ANT-U9CP-2626
Name	3dbi Ultra Slim Antenna U3VP N-Female	3dbi Ultra Slim Antenna U3VP N-Female	4dbi Cylindrical Antenna N-Female Connector	4dbi Circular Antenna U4CP N-Female	8 dbi Circular Antenna N-Female	9dbi Circular Antenna U9CP N-Female
Dimension	160x135x5 mm.	120x120x8 mm.	110x100 mm.	165x165x22 mm.	255x255x45 mm.	260x260x45 mm.
Weight	120g	180g	500g	350g	550g	950g
Gain	3 dBi	3 dBi	4 dBi	4 dBi	8 dBi	9 dBi
Polarization	Vertical	Vertical	Vertical	Circular	Circular	Circular
Connector	N-Female	SMA-Male	N-Female	N-Female	N-Female	N-Female
Material	ABS	PCB	PVC	ABS	ABS	ABS
Beam width	Hor 360° Ver 60°	Hor 360° Ver 60°	Hor 360° Ver 60°	Hor 60° Ver 60°	Hor 60° Ver 60°	Hor 70° Ver 70°
Operating Temperature	-30 C°~ +65 C°	-30 C°~ +65 C°	-30 C°~ +65 C°	-30 C°~ +65C°	-30 C°~ +65 C°	-30 C°~ +65 C°
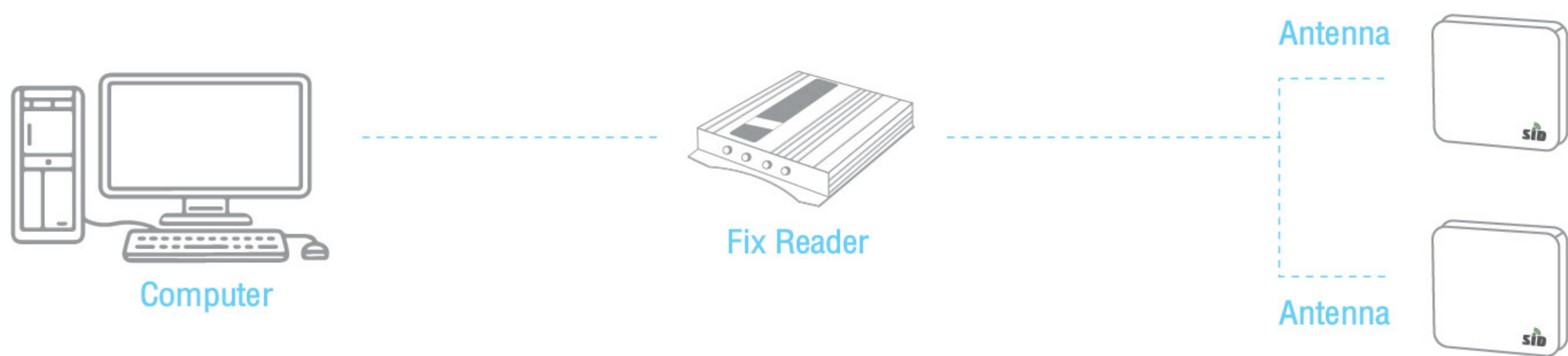
Model	SID-ANT-U5LP-4609	SID-ANT-U8CP-4516	SID-ANT-U10LP-1606	SID-ANT-U12LP-1201	SID-ANT-U12CP-1201	SID-ANT-U12CP-wifi
Name	5dbi Strip Antenna U5LP SMA-Female	8dbi Plate Antenna U8CP SMA-Female	10dbi Cabinet Antenna U10LP SMA-Female	12dbi Horizontal Antenna N-Female	12dbi Circular Antenna N-Female	12dbi Circular Antenna N-Female/Wifi
Dimension	450x85x20 mm.	450x165x20 mm.	1600x60x22 mm.	445x445x55 mm.	445x445x55 mm.	445x445x55 mm.
Weight	600g	850g	1500g	2000g	2000g	2000g
Gain	5 dBi	8 dBi	10 dBi	12 dBi	12 dBi	12 dBi RS232 + wifi
Polarization	Linear	Circular	Liner	V/H	V/H	V/H
Connector	SMA-Female	SMA-Female	SMA-Female	N-Female	N-Female	N-Female
Material	Acrylic Glass	ABS	Black PVC	ABS	ABS	ABS
Beam width	Hor 60° Ver 72°	Hor 45° Ver 45°	Hor 75° Ver 45°	39°	39°	39°
Operating Temperature	-30 C°~ +65 C°	-30 C°~ +65 C°	-30 C°~ +65 C°	-20 C°~ +60 C°	-20 C°~ +60 C°	-20 C°~ +60 C°

*For more detail and "Time 7" and Zebra Brand, you can see & download datasheet in our website www.smartiden.com

RFID Integrate Reader

Integrated Reader is the reader that have controller and antenna inside together then it's easy for installation & save cost. However, the purpose of integrate won't suitable for reading wide space area so we often see using integrate with entrance parking lot, read tag in the small gate etc.

Integrate reader 4dbi

Model	U881-4dbi
Dimension	165x165x57 mm.
Weight	760 g
Power supply	9V
Effective distance	0.5-5 m.
Support Protocol	ISO18000-6C EPC Class 1 Gen 2
Communication interface	RS232 and Wiegand

Manufacturing   **Parking**   **Warehouse**

Integrate reader 8dbi

Model	U881-8dbi
Dimension	255x255x50 mm.
Weight	1000 g
Power supply	9V
Effective distance	3-8 m.
Support Protocol	ISO18000-6C EPC Class 1 Gen 2

Model	U881-8dbi	U881-8IP
Communication Interface	RS232 and Wiegand	RS232, TCP/IP and Wiegand

Manufacturing   **Parking**   **Warehouse**

*Effective reading distance depends on tag and working environment

RFID integrate reader use in parking lot solution.

Integrate reader

RFID Tag
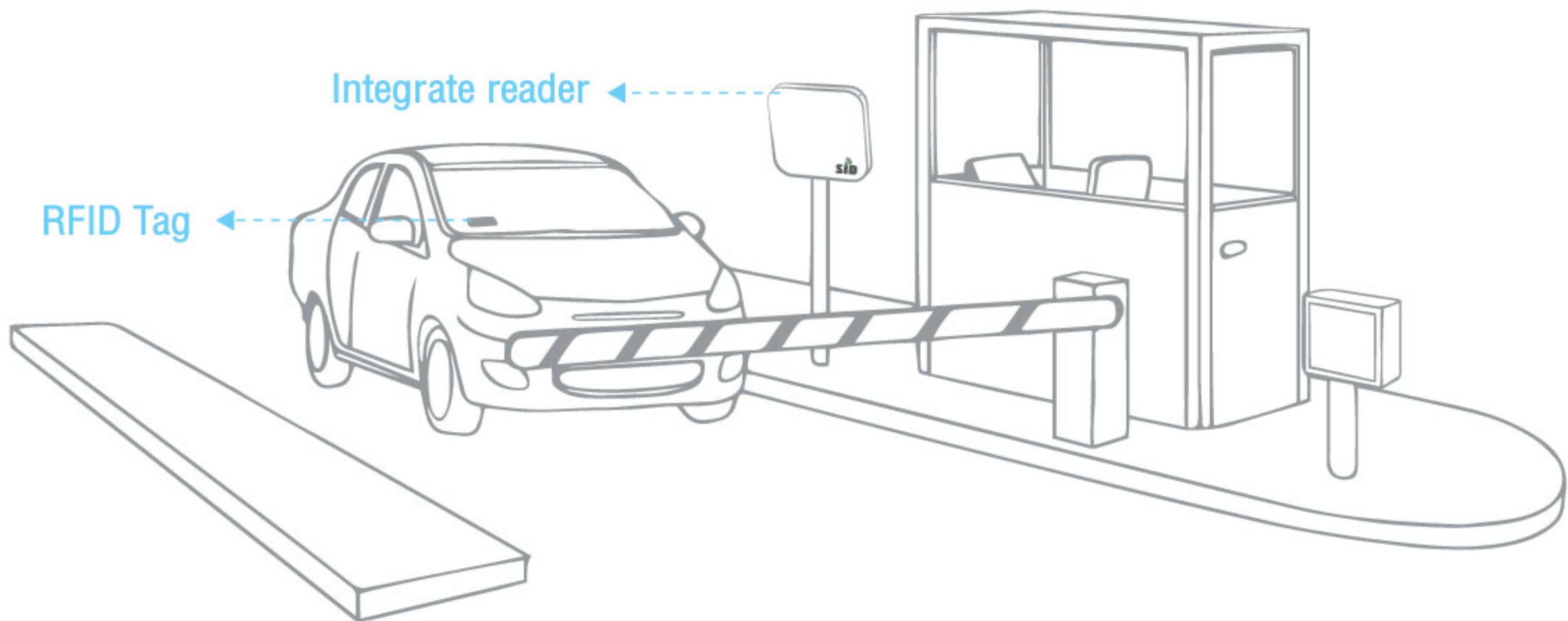
Integrate reader 9dbi

Model	U881-9dbi
Dimension	298x298x105 mm.
Weight	2,800 g
Power supply	9V-24V
Support Protocol	ISO18000-6B,
	ISO18000-6C (EPC C1G2)
Communication interface	RS232, RS485, Wiegand, TCPIP

*Built-in high performance 9 dbi circular antenna with IP rate 67 9M.
 and one more extendable external antenna port

Extended Antenna

Integrate reader

8dbi Antenna

Integrate reader U4320IE

Model	U4320IE
Dimension	420x300x28 mm.
Weight	2,900 g
Power supply	9V
Effective distance	3.5 m.
Support Protocol	18000-6C (EPC CLASS1 G2),
	ISO18000-6B
Communication interface	RS232, RS485, Wiegand

*This model have other size 180x120x24 (Model U1812IE)

RFID Gate in Warehouse Management can use Fix reader & Antenna or Integrate Reader (depend on Gate sizing)

Antenna

Antenna

Fix Reader

Tag
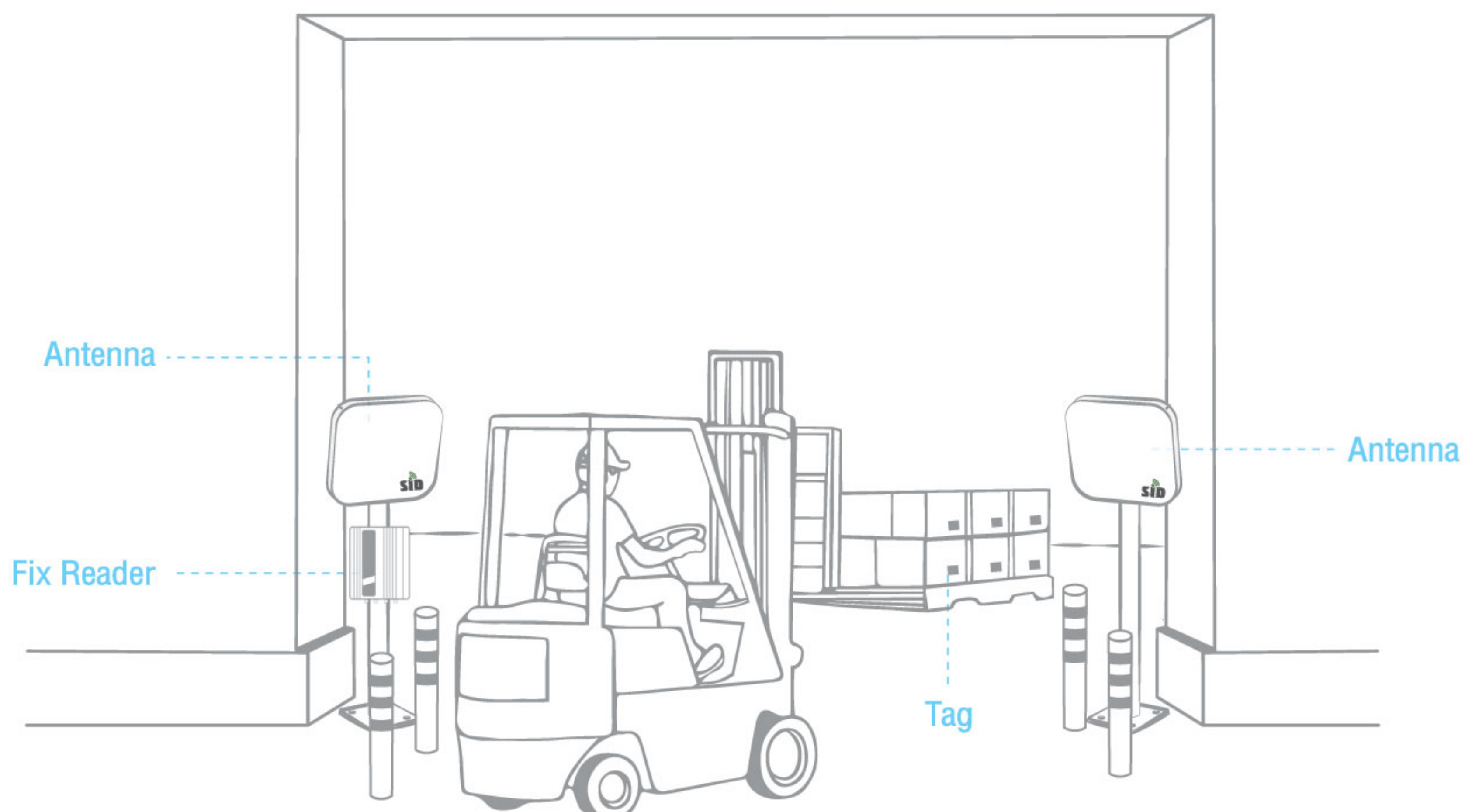
RFID Handheld Reader

RFID Handheld Reader is suitable for carrying to read RFID Tag at various points. Smart Identify, we provide both RFID bluetooth handheld and portable PC Handheld. Some of model can add optional function such as QR Code reader, sim card built-in or etc.,

2D barcode

UHF Bluetooth H-100

- Dimension 262x105x42 mm.
- Support tag ISO-18000-6C/GPC Class 1 Generation 2
- Linear Polarization Antenna, Based on
  Impinj Indy R2000 chip design
- Reading Speed up to 200 pcs/second
- USB + Bluetooth 4.0 interface + 2D Barcode
- Based on Impinj R2000 design
- Weight 247 g

Applications :

- Clothing
- Jewelry
- Retail
- Asseat management

One popular of solution which use rfid technology is Annual Asset checking & tracking

RFID Tag

Handheld Reader
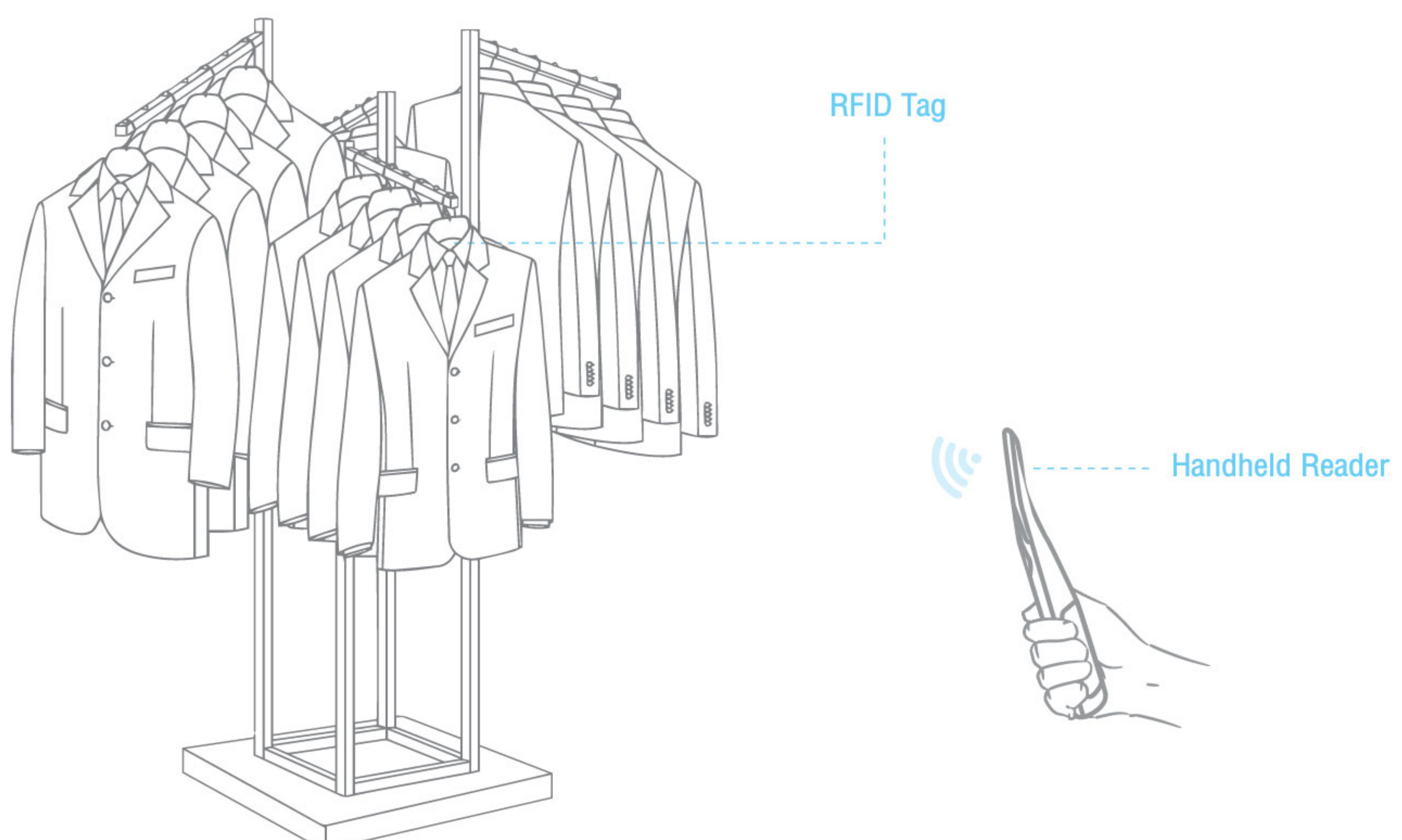
iData 50UHF

- Faster, more stable data radio transmission
- More powerful and high efficient data collection
- High performance quad code 1.2 GHz processor
- Android 6.0, 16 GB ROM+2 GM RAM
- Flexible disassembly structure, device, handle, modules can be purchased separately
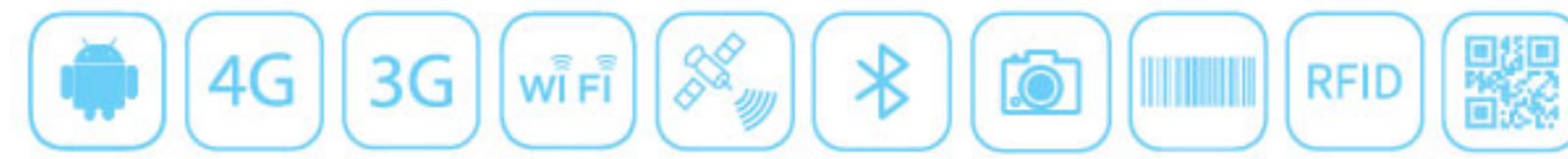
Applications :

 Clothing

 Retail

 Manufacturing

 Ticket

 Inspection

 Jewelry

 Logistics

 Food Tracking

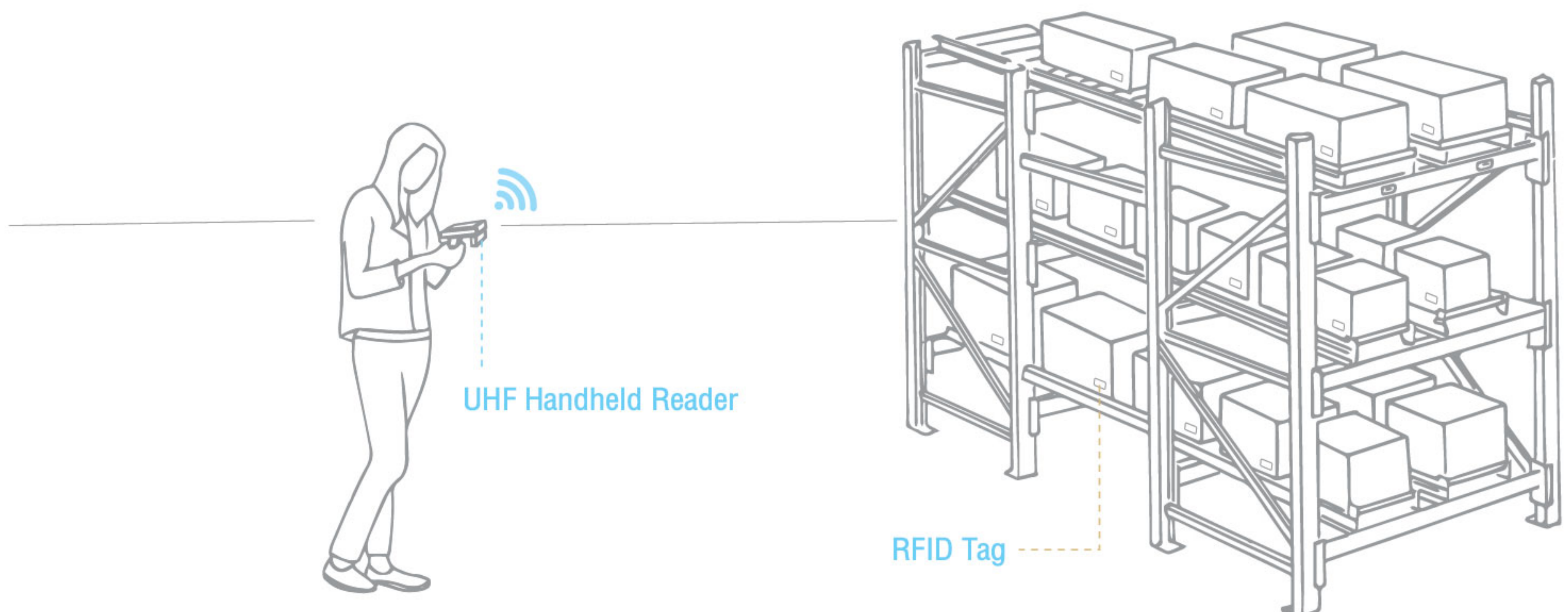 Logistics and Express

 Smart Manufacturing

 Asset management

 Warehouse Management

 Parking Management

RFID Used for warehouse and logistics management

UHF Handheld Reader

RFID Tag

iData® Handheld Reader (PDA)

iData Handheld Reader is suitable for mobile applications in logistics and warehousing management with the brand new design ergonomic scanning angle, effectively reduce wrist motions and fatigue, easy to scan and verify.

iData 65

- Super-efficient Mobile Computer
- Tailored for mobile applications in logistics and warehouse management
- Ultra-high performance for more efficient work, support medium distance scanning
- CPU high-performance quad 1.25 GHz processor
- Android 6.0 Operating System
- Memory ROM16GB + RAM 2GB
- Display 3.5 inch, 640x960 HD display
- Dimensions L x W x D (mm.) : 183 x 69 x 35 mm.

GPRS | GSM | WiFi | Bluetooth | NFC

Applications :

- Clothing
- Retail
- Manufacturing
- Logistics
- Ticket
- Inspection
- Jewelry

iData 70

- Mobile Computer with More durable and stable operation
- Working more efficiently through extremely speedy data collection
- Long life battery supporting full-day operation
- Android 6.0 operation System
- CPU High-performance quad-core 1.3 GHz processor
- Memory ROM 16GB + RAM 2GB
- Display 4 inch, 800x480
- Dimensions L x W x D (mm.) : 159 x 71 x 20 mm.

4G | 3G | WiFi | Bluetooth | NFC

Applications :

- Smart Retail
- Mobile Healthcare
- Asset Management
- Smart Transportation
- Mobile Enforcement
- Pharmaceutical Supervision

*Datasheet can download in website www.smartiden.com

iData 55HC are designed for healthcare professionals to support many types of mobile healthcare applications. Which is tailored for mobile healthcare help doctors and nurses work more efficient and easier

iData 55HC
Healthcare Mobile Computer

- 5G Wi-Fi +4G (TD-LTE/FDD-LTE)
- Powerful data collection
- 4.7 inch HD IPS Screen
- Light, safe and rugged

Android | 4G | 3G | WiFi | NFC | Bluetooth | Camera | Barcode | QR

Applications :

- Mobile Nurse Station
- Clinic Transfusion
- Inpatient Ward Patrol
- Nutrition Diet
- Drug Administration
- Asset Management
- Surgical Instrument Management

iData 50P
## Large Screen Mobile Computer

- Faster and more stable wireless data transmission with 4G and 5G wifi
- It is easier to be used and more portable
- Android 9.0 Operating System
- Octa-core 2.0 GHz. CPU
- Memory Rom 16GB + Ram 2GB (more memory can be option)
- Display 4.7 inch, 1280x720 High resolution
- Dimensions (L x W x D (mm.) : 150 x 73.5 x 16 mm.

Android | 4G | WiFi | CPU

Applications :

- Healthcare
- Logistics
- Warehouseing
- Retail
- Manufacturing
- Utilities and Public Service
- Others

Use for reading barcodes on patient wristbands or blood transfusion bags.

Barcode

Healthcare Mobile Computer

Wristband
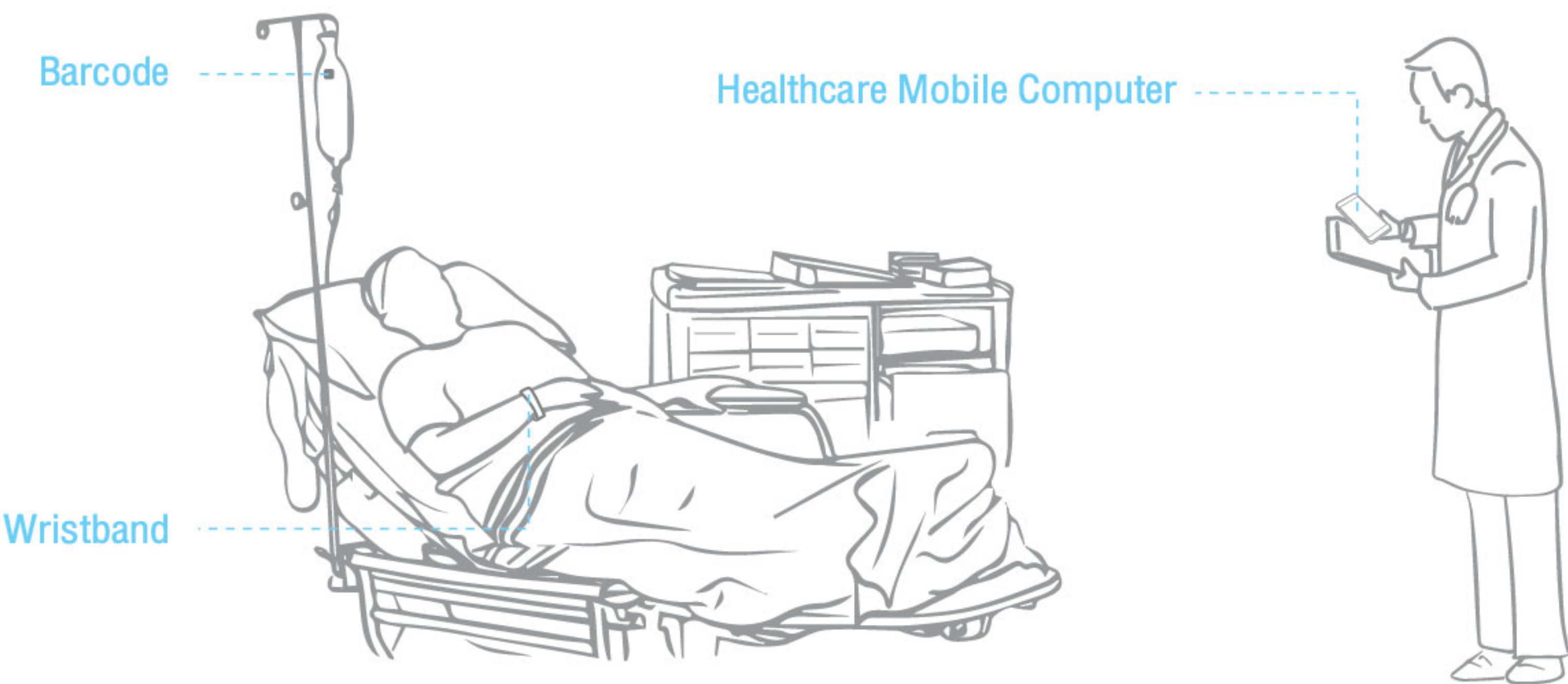
RFID UHF Gate Device

UHF Gate Device is designed for high performance gate device management applications. The RFID UHF Gate is suitable for Library Entrance control, Access & Asset Control in building and etc.,

Model SID-GWL01 : Personal control 920-925 Mhz.

Specification

Dimensions (HxWxD)	1700x600x150 mm	Alarm	Light and buzzer
Housing	ABS	Motional orientation judgment	Accurate
Weight of 1 panel	40 kg	Operating temperature	-10°C ~ +60°C
Power supply	220/50 V/Hz	Storage temperature	-25°C ~ +70°C
Current	160 mA	Communication Interface	RS232/RS485, TCP/IP

*For more detail you can download datasheet in our website www.smartiden.com / RFID Reader / RFID Gate

RFID UHF Cascaded Access Gate

High performance new designed UHF Gate Device. The series are top choice for open mass flow RFID applications, such as : Access Control, Conference Attendance, Digital Scenic Sports Network Management, etc.

Model SID-GC160 : Personal control 920-925 Mhz.

Specification

Dimensions (HxWxT)	1530x640 / 580x48/20 mm	Alarm	Light and buzzer
Housing	Acrylic & Metallic Base Bax	Motional orientation judgment	Accurate
Weight of 1 panel	28 kg	Operating temperature	-10°C ~ +60°C
Power supply	220/50 V/Hz	Storage temperature	-25°C ~ +70°C
Current	160 mA	Communication Interface	RS232/RS485, TCP/IP

*For more detail you can download datasheet in our website www.smartiden.com / RFID Reader / RFID Gate

SICK

RFID Intelligent Identification

Smart Identify Co., Ltd. is the official sale representative of "SICK" in section of RFID reader. RFID reader from SICK have the potential to apply in the production line process. It's easily connected and work together with SICK Sensor intelligent products. These can be support and fulfill all requirement to do RFID solutions in the production line process with completely and efficiently.

RFH6xx, RFU62x, RFU63x, RFU65x

"SICK" RFID provide 2 types of RFID reader, one is HF frequency reader and other is UHF frequency reader. Both of readers have design to answer the requirement of each production process. For more information of product you can contact our sale team.

HF (High Frequency)

- Standards : ISO 15693, ISO 18000-3
- Maximum reading distance ≤ 0.3 m
- Frequency range 13.56 MHz

RFH6xx

Identification on suspended conveyor systems

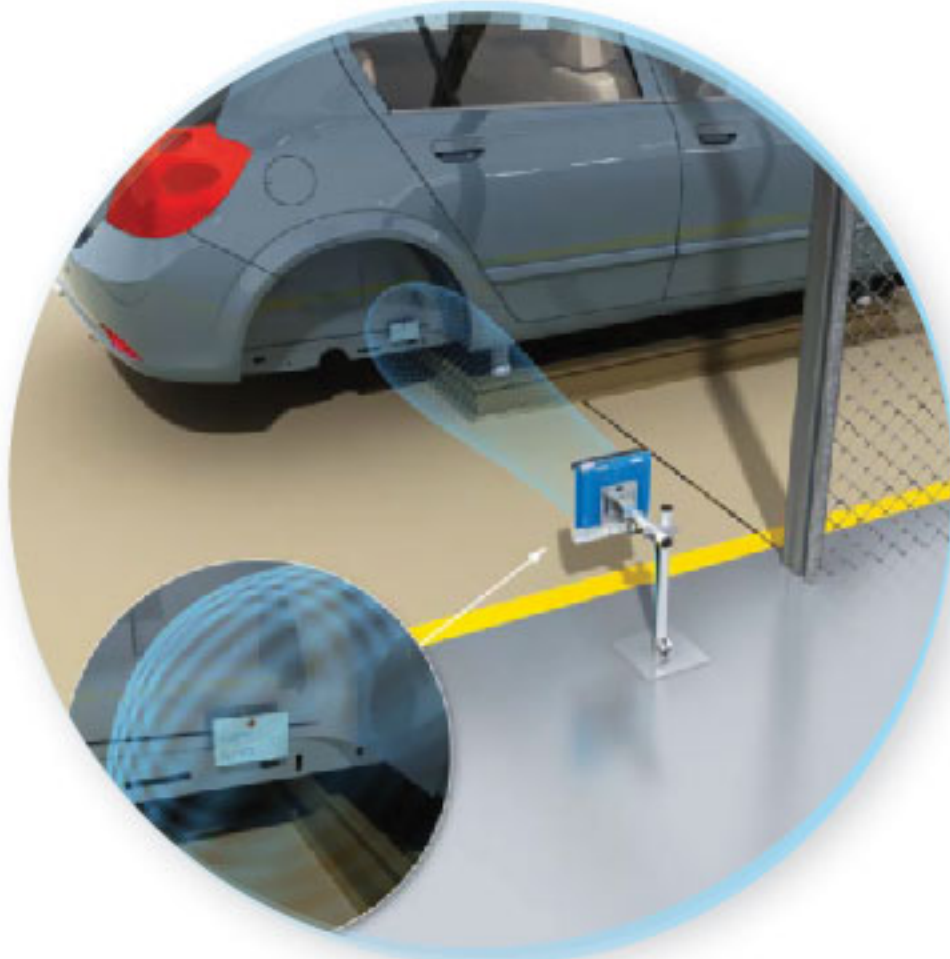**Container identification on conveying equipment**

UHF (Ultra High Frequency)

- Standards : ISO 18000-63
- Maximum reading distance ≤ 10.0 m
- Frequency range 902-928 MHz

RFU6xx

Motor block identification for production control

Car body identification in the body shop

RFID Solution

Besides providing of RFID Hardware, Smart Identify Ltd. has service team for supporting, assisting and advising to develop Software to be used with RFID devices. In case that customer have not IT department, we have team to developing software which we support both for developing integrate software and developing Software Solution according requirement. Our aim for software, we will make it to meet the needs and answer the plaintiff's use of the customer to get the most out of the leading RFID applications.

Warehouse Management

Trolly Tracking

Assembly line Management

Asset Control

Warehouse entrance

Jewelry Management

Smart Asset Tracking Solution

Description	Starter Kit	Starter Kit Pro	Advance
Software			
Mobile Application			
RFID Reader Application on Mobille	•	•	•
Checking Asset function	•	•	•
Finding Asset function	•	•	•
Back Office			
User Mangement	•	•	•
Write Tag Functioin	•	•	•
Asset management	-	•	•
Asset Data Base	-	•	•
Enhance Asset management	-	-	•
Asset Moving	-	-	•
Asset Writeoff	-	-	•
Asset Repair	-	-	•
Asset Browing	-	-	•
Asset Breakdown	-	-	•
Report	-	-	•

Description	Starter Kit	Starter Kit Pro	Advance
Hardware in Package			
PC Liciense	1 pcs	1 pcs	2 pcs
iDATA UHF Andriod 6 & Liciense	1 pcs	1 pcs	2 pcs
UHF Desktop Reader	1 pcs	1 pcs	1 pcs
UHF Label	500 pcs	500 pcs	500 pcs
UHF Anti Metal Tag P9525	100 pcs	100 pcs	100 pcs

Document submission service

To comply with the Regulation of National Telecommunication Commission (NBTC) and to be convenient with customer, Smart Identify Ltd., have care service for document submission process with the NBTC for making RFID License as follow.

1. Commercial license (ใบอนุญาตค้า)
2. RFID Installation license (ใบอนุญาตตั้ง)
3. RFID use License for use (ใบอนุญาตใช้)

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If you are interested in a RFID reader please don't hesitate to contact our sale support team through many channels. Our team are glad to serve you.

from our website

🌐 www.smartiden.com

f smartidentify

Easy contact at Line : @smartidentify

LINE@

we are Smart choice you choose !

Smart Identify

Smart choice you choose