



Smart Identify

Smart choice you choose

RFID Reader | RFID Solution



RFID READER & SOLUTION

A RFID reader is a device used to gather information from an RFID tag, which is used to track individual objects. Radio waves are used to transfer data from the tag to a reader.



SID RFID Desktop Readers Brand under Smart Identify Ltd., are designed upon fully self-intellectual property. Based on proprietary efficient digital signal processing algorithm. SID reader can be widely applied in many RFID application systems



LF Desktop Reader (125 KHz.)

TAG SUPPORTED	EM4100 Compliant
COMMUNICATION INTERFACE	USB
SIZE	120x83x27mm.
WEIGHT	160g

HF Desktop Reader (13.56 MHz.)



USB PORT



USB-L PORT



RS232/ RS 232 / TCP-IP



MODEL	SID-H136,-H736,H936- (USB, USB-L, SR, SRIP)			
SIZE	115x82x25 mm.	105x70x11 mm.	123x94x29 mm.	123x94x29 mm.
COMMUNICATION INTERFACE	USB	USB-L	RS232	RS232-TCP/IP
NET WEIGHT	80g	80g	144g	164g
POWER SUPPLY	5V	5V	12V	12V
EFFECTIVE READING	50 mm.	70 mm.	70 mm.	70 mm.
SID-136 : Support Protocol ISO14443 Tape A and B SID-936 : Support Protocol ISO15693 SID-736 : Support Protocol ISO14443 Type A and B , ISO15693				

UHF Desktop Reader (902-928 MHz.)



UD-809-USBL



UD-806-SR



UD806-SRIP



UD816-USB



UD816-SR



UD816-SRIP



UD816-Wifi

MODEL	SID-809-USBL	SID-806-SR	SID-806-SRIP	UD816-USB	UD816-SR	UD816-SRIP	UD816-Wifi
SIZE	105 x 70 x 11 mm.	123 x 94 x 23 mm.		160 x 110 x 42 mm.			
COMMUNICATION INTERFACE	USB-L	RS232, Wiegang24/36,	RS232, Wiegang24/36, TCP/IP	USB	RS232, Wiegang24/36,	RS232, Wiegang24/36, TCP/IP	RS232, Wiegang24/36, TCP/IP Wifi
ANTENNA GAIN	2dBi						
EFFECTIVE READING RANGE	> 20 cm	> 30 cm					
POWER SUPPLY	5 V	9 V					

*All HF and UHF desktop reader will provide SDK and demo software to facilitate further development

** For other more model of reader , please update in our website www.smartiden.com

SID UHF RFID Reader

All our [UHF readers](#) are designed to support ISO1800-6B, ISO18000-6C(EPC Class1 G2) protocol tags such as NXP, Alien, Impinj. It support fast tag read/write operation with high identification rate. I can be widely applied in many RFID application system such as Logistics, Access Control, Anti-counterfeit and Industrial Production Process Control System.

SID UHF RFID Integrated Reader



SID-U861-8dbi
SID-U861-8dbi / IP
SID-U861-8dbi / Wifi
SID-U861-8dbi / GPRS



SID-U861-12dbi
SID-U861-12dbi / IP
SID-U861-12dbi / Wifi

*They are designed upon fully self-intellectual property. Based on proprietary efficient digital signal processing algorithm., fully support EPC Class1 Gen2, ISO18000-6B protocol tag.

SUPPORT PROTOCOL	EPC Gen2 (ISO18000-6C) , ISO18000-6B						
SUPPORT TAG	NXP , ALIEN , IMPINJ						
MODEL	SID-U861 8dbi	SID-U861 8dbi/IP	SID-U861 8dbi/Wifi	SID-U861 8dbi/GPRS	SID-U861 12dbi	SID-U861 12dbi/IP	SID-U861 12dbi/Wifi
SIZE (mm.)	235 x 36 x 57				445 x 445 x 55		
NET WEIGHT	900 g	950 g	1000 g		2600 g	2650 g	
COMMUNICATION INTERFACE	RS232 RS485 Wigand 26/34	RS232 RS485 Wigand 26/34 TCP/IP	RS232 RS485 Wigand 26/34 Wifi	RS232 RS485 Wigand 26/34 GPRS	RS232 RS485 Wigand 26/34	RS232 RS485 Wigand 26/34 TCP/IP	RS232 RS485 Wigand 26/34 Wifi
ANTENNA GAIN	8 dBi				12 dBi		
EFFECTIVE READING DISTANCE **	>6 M.				>12 M.		
POWER SUPPLY	9V						
POWER DISSIPATION	3.15W	3.6W	4.5W		3.15W		

** Depend on antenna, tag, and environment

SID UHF RFID High Performance Integrated Reader



SID-U881-8dbi
SID-U881-8dbi/IP



SID-U881-9dbi
SID-U881-9dbi/IP



SID-U881-12dbi
SID-U881-12dbi/IP



SID-U681



* This integrated readers are based on R2000 design, excellent multi-tag anti-collision performance, fully support EPC Class1 Gen2, ISO18000-6B protocol tag

MODEL	SID-U881-8dbi SID-U881-8dbi/IP	SID-U881-9dbi SID-U881-9dbi/IP	SID-U881-12dbi SID-U881-12dbi/IP	SID-U681
SIZE	255 x 255 x 55 mm.	260 x 260 x 45 mm.	450 x 450 x 75 mm.	298 x 298 x 105 mm.
NET WEIGHT	1550 g	1800 g	3600 g	2800 g
COMMUNICATION INTERFACE	RS232,RS485, Wigan26/34, TCP/IP, POE, Wifi			
ANTENNA GAIN	8 dBi	9 dBi	12 dBi	9 dBi
EFFECTIVE READING	>9M	>12M	>24M	>18M
POWER SUPPLY	9V			9V-24V
POWER DISSIPATION	4.5 W			

** depend on antenna, tag, and environment

SID UHF RFID Fixed Reader

SID-UF-2861

- Self-intellectual property
- Support ISO18000-6C(EPC C1G2), ISO18000-6B protocol tag
- FHSS or FIX Frequency Transmission
- RF output power up to 30 dbm. (adjustable)
- 4TNC antenna port
- Support auto-running, answer and trigger-activating work mode
- Support EPC and TID inventory
- Support RS232, RS485, RJ45(TCP/IP) with other interface optional
- Equipped with light and Buzzer
- High reliability design under extreme environmental condition



SID-UF-2861



SID-UF-2861

SID UHF RFID High Performance Fixed Reader

SID-UF-2861

- Self-intellectual property
- Support ISO18000-6C(EPC C1G2), ISO18000-6B protocol tag
- FHSS or FIX Frequency Transmission
- RF output power up to 30 dbm. (adjustable)
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- High reliability design under extreme environmental condition

SID UHF RFID ANTENNA

SID antenna is standard 50Ω impedance. It based on fully self – intellectual property and specially aimed at RFID Application. The Antenna is combined with high quality antenna design concept, adopting unique radiation pattern. Beside, we provide different polarization for choice.

PHOTO	NAME	MODEL	DIMENSION (mm.)	NET WEIGHT	GAIN	POLARIZATION	CONNECTOR	RADOME MATERIAL	BEAM WIDTH	OPERATING TEMPERATURE
	3dBi Ultra Slim Antenna	SID- ANT U3VP-1613	160x135x5	120 g	3 dBi	Vertical	N-Female	ABS	Hor 360° Ver 60°	-40°C - 55°C
	4 dBi Circular Antenna	SID-ANT U4CP-1616	165x165x22	350 g	4 dBi	Circular	N-Female	ABS	Hor 60° Ver 60°	-40°C - 70°C
	5dBi Strip Antenna	SID-ANT U5LP-4609	450x85x20	600 g	5 dBi	Linear	SMA-Female	Acrylic Glass	Hor 60° Ver 72°	-40°C - 70°C
	8dBi Circular Antenna	SID-ANT U3VP-1613	255x255x45	550 g	8 dBi	Circular	N-Female	ABS	Hor 60° Ver 60°	-40°C - 70°C
	8dBi Acrylic Glass Antenna	SID-ANT- U8CP4516	450x165x20	850 g	8 dBi	Circular	SMA-Female	Acrylic Glass	Hor 45° Ver 45°	-40°C - 70°C
	9dBi Circular Antenna	SID-ANT U9CP-2626	260x260x45	950 g	9 dBi	Circular	N-Female	ABS	Hor 70° Ver 70°	-40°C - 70°C
	10dBi Plate Antenna	SID-ANT U10LP-1606	660x100x28	800 g	10 dBi	Linear	SMA-Female	PVC	Hor 30° Ver 120°	-40°C - 70°C
	10dBi Cabinet Antenna	SID-ANT U10LP-1606	1600x60x22	1500 g	10 dBi	Linear	SMA-Female	PVC	Hor 75° Ver 45°	-40°C - 70°C
	12dBi Circular/Horizontal Antenna	SID-ANT- U12CP-1201 SID-ANT- U12HP-1201	445x445x40	1950 g	12 dBi	Circular/Horizontal	N-Female	ABS	Hor 45° Ver 45°	-40°C - 70°C

ATID MODEL AT880

Library, Logistics, Military, Warehouse, hospital etc.,

Specification

- Processor Marvell™ PXA 320 806 MHz.
- Windows CE.5.0/Windows Embedded Handheld 6.5
- RAM Memory 256MB(512MB optional)
- ROM Memory 512MB (1GB optional)
- Expansion Slot 1 Micro SD Slot (SDHC), 1SIM Slot, 1 SAM Slot
- Size L159 x W79 x H27.7 (35.2)mm. / weight 280g (PDA only)
- RFID UHF 900 MHz Gen2, ISO/IEC 18000-6C/18000-6B (optional)
- HF 13.56 MHz. ISO15693, MIFARE ISO14443A/B (Optional)
- 1D Laser or 2D imager Barcode Scanner (2D Long Range Barcode)
- WLAN (IEEE802.11 b/g/a)
- Bluetooth Class II, v2.1 + EDR
- Camera with Flash / GPS
- Drop Spec 1.5M drop to concrete
- Dust & Water Proof IP65



AT870 NEW UPGRADE

Library, Logistics, Military, Warehouse, hospital etc.,

Specification

- Processor Marvell™ PXA 320 806 MHz.
- Windows CE.5.0/Windows Embedded Handheld 6.5
- RAM Memory 512MB /ROM Memory 512MB
- Expansion Slot : 1 Micro SD Slot (SDHC), 1SIM Slot
- Size L148 x W79 x H26 (30.5)mm. / weight 250g (PDA only)
- RFID UHF 900 MHz Gen2, ISO/IEC 18000-6C/18000-6B (optional)
- HF 13.56 MHz. ISO15693, MIFARE ISO14443A/B (Optional)
- 1D Laser or 2D imager Barcode Scanner
- WLAN (IEEE802.11 b/g/a)
- Bluetooth Class II, v2.0 + SPP only
- Drop Spec 1.5M drop to concrete
- Dust & Water Proof IP65



EMBIPHERE PRODUCT

The expert UHF reader in Warehouse & Retail Store. All reader Support EPC global Class 1 Gen2 (ISO18000-6C with anti-collision)

EMBIVENTORY / EMBIVENTORY POWER

UHF handheld RFID reader



Specification

- UHF output power 23 dBm maximum (200mW)
- Build in circular polarized antenna for 1.5M read range
- Internal Storage up to 2500 tags.
- Bluetooth interface BT2.1 + EDR class1 (Typically 30m operation)
- Dimension H48 cm. x W15 cm. x D4cm.
- Material ABS and EPDM rubber / IP54
- Weight 390g

EMBISCAN

Plug & Play – RFID/ Barcode reader

Specification

- UHF output power 23 dBm maximum (200mW)
- Build in antenna for 80 read range * depend on tag
- Internal Storage up to 2500 tags.
- Barcode read UPC/EAN, Code128, Code 39, Code 93, Code 11, Coda bar, RSS, GS1 data bar
- Multi-color LED, Buzzer, Buttons for RFID inventory, RFID Single, Barcode
- Dimension H21 cm. x W6 cm. x D5cm.
- Material ABS-PC and EPDM rubber / IP54
- Weight 185g



EMBIPOS

UHF Fixed RFID reader

Specification

- UHF output power 30 dBm maximum (1W)
- Build in circular polarized antenna
- High performance reader up to 25 tags/second
- 2 SMA connectors for external antennas
- 2 outputs, optically isolated 0-12V.
- Dimension H24.5 cm. x W18.5 cm. x D33cm.
- Material ABS Choc
- Weight 475g



EMBITROLLEY

Mobile UHF RFID container reader

Specification

- 2 Watts E.R.P (ETSI EN 302 208) configurable F
- Specific directional integrated Antenna
- Touch screen 15" for user interface
- connected Wi-Fi (Ethernet)
- Material Aluminum, Steel & PolyCarbonate
- Dimension (mm.) H1600 x W82 x D174
- Container (mm.) H600 x W400 x D400
- Weight 150 kg (*indicative data)

EMBIWAY

UHF RFID Tunnel

Specification

- 2 Watts E.R.P (ETSI EN 302 208) configurable F
- Specific directional integrated Antenna
- operation indicator light optional touch screen 15"
- connected Ethernet , optional Wi-Fi
- Material Aluminum & inox
- Dimension (mm.) H180 x W160 x D62
- Weight 200 kg.

*Dimension and weight as per user requirement



EMBIBAC QCO

RFID receptacle for self-checkout kiosk

Specification

- Built - in antennas
- 2x2 m RF cable with SMA connectors termination
- 1.2m cable for light panel powersupply
- Material Aluminum & inox
- Dimension (mm.) H72 x W36.8 x D33.8
- Weight 13 kg

Main Featurest

- Quick and easy installation
- Rugged and ergonomically designed
- Exclusive Antennas for accurate and fast reading of tag



[Smart Identify Ltd.](#), is established in 2009. Our main products lines would be divided into two types of product to meet customer needs. And one of them, which is RFID which its catalogue in on your hand now.

Smart Identify is a fast growing provider with years of experience in providing RFID Hardware and RFID solution. Smart Identify will satisfy client who wants to improve systems to international standard by applying RFID in product traceability in the many systems such as Logistic , Access Control, Food and Animal Traceability, Human identification , Asset control , Warehouse , E-payment and etc.,

Smart Identify Ltd., provide all RFID frequency 125KHz, 13.56 Mhz. and 920-925 Mhz. We have several of RFID products to meet customer requirement.

RFID tag (Transponders)

smart card | wristband | label tag | silicon tag | laundry tag | metal tag | pallet tag | windshield tag and etc.,

RFID reader

which have desktop reader | integrate reader | fix reader and antenna.

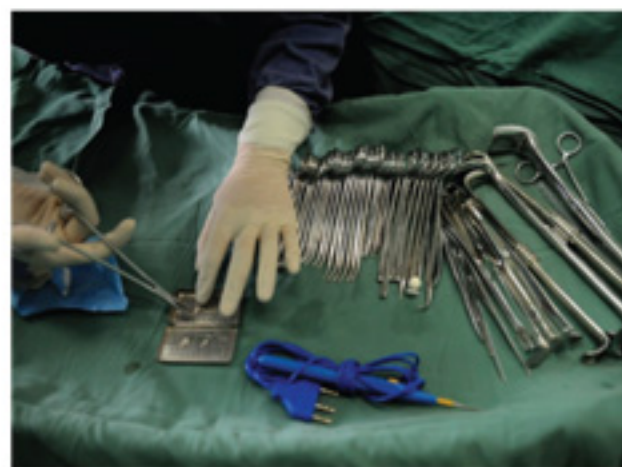
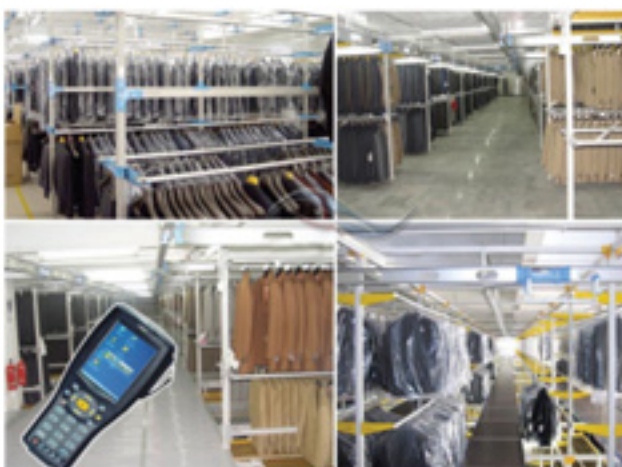
RFID solution

we provide since integrate software (middle software) for Integrate with your system till turnkey doing for hold software solution.

Smart Identify Ltd. hopes you find our products and services of interest and let us be your 'smart choice' in nearly future.

RFID SOLUTION

Besides providing of [RFID Hardware](#), Smart Identify Ltd. has Service team for supporting , assisting and advising to develop RFID Software to be used with RFID devices. In case that customer have not IT department, we have team to developing software which we do both for developing integrate software (middle ware), or do total solutionfor developing software 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.





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