UHF GATE Device RS232 + TCP/IP

SID-GATE-GWL01

ITEM	VALUE
Dimensions (HxWxT) (mm)	1700 x 600 x150 / 40
Housing	ABS shell
Color (two for choice)	Light Gray + Dark Gray + Yellow Light Gray + Dark Gray
Weight (1 panel)	40kg

ITEM	VALUE
Power supply (V/Hz)	220 / 50
Current (mA)	160
Alarm	Light and buzzer
Moving direction judgment	Accurate
Operating temperature (℃)	-25 ~ +60
storage temperature (℃)	-40 ~ +85

GENERAL DESCRIPTION

SID-GATE-GWL01 is high performance EPC C1Gen2 (18000-6C), ISO18000-6B protocol UHF tag gate device. Designed upon fully self-intellectual property, it supports fast tag anti-collision operation with high identification rate. It can be directly connected to host, controller and other relative equipments. It can be widely applied in many RFID application systems such as logistics, open conference attendance system, open access control and industrial production process control

FEATURES

- Self-intellectual property;
- Support UHF EPC G2 (ISO18000-6C), ISO18000-6B protocol tags;
- 860~868MHz / 902~928MHz frequency band (frequency customization optional);
- FHSS or Fix Frequency transmission; support RSSI (optional);
- RF output power up to 30dbm (adjustable);
- Built-in 3 line infrared motion sensor with intelligent movement direction determination and personnel counting;
- Advanced anti-collision algorithm, high identification rate;
- Low power dissipation with built-in buzzer and LED indicator;
- Support NXP tag/label EAS and AFI security surveillance;
- Support RS232, RS485 and RJ45(TCP/IP) network interface;
- Support controller-gate coordinate work mode or independent work mode;
- Support further development and customization;
- High reliability design, provide high performance reader for choice ;
- Support plug-in camera, large screen display / television to realize control and management in a more intuitive way.
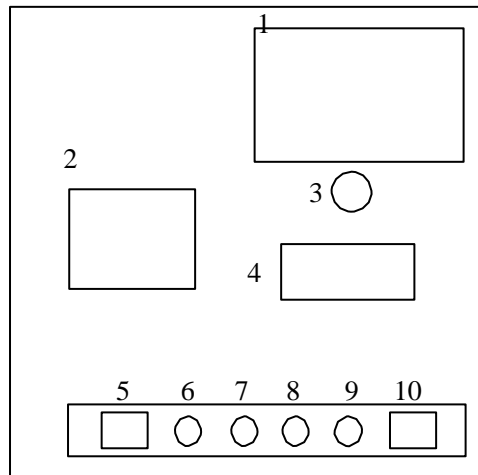
COMPONENTS

UHF gate comprise main antenna, auxiliary antenna. Main antenna base box is integrated with fix UHF reader, power supply, 3 line infrared sensor controller and interface board. Auxiliary antenna base box is integrated with interface board.
Other accessories include AC power cable, RF cable connecting main/auxiliary antenna, DC power cable connecting main/auxiliary antenna and RS232 communication cable.
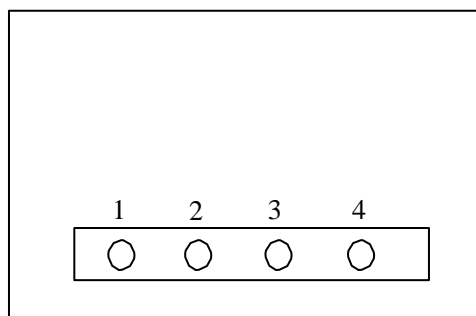
WIRING INFORMATION

Main antenna base box:

1 : Fixed reader RRU2881Lite

2 : Infrared controller RRU-CH-IRCON

3 : Buzzer

4 : Power Supply

5 : RS232 communication cable socket

6 : Main/auxiliary antenna DC power cable socket

7 : Main/auxiliary antenna alarm cable socket

8 : Main/auxiliary antenna RF cable socket

9 : AC power supply socket

Components' location may be slightly adjusted.

Auxiliary antenna base box:

1 : Main/auxiliary antenna RF cable socket

2 : Main/auxiliary antenna DC power cable socket

3 : Main/auxiliary antenna alarm cable socket

Components' location may be slightly adjusted.

APPLICATION INFORMATION

1. Fixed Reader

Default serial communication setting: 57600bps, N, 8, 1. for detailed information of the SID-GATE-GWL01 please refer to datasheet and user manual.

2. Infrared sensor controller

Serial communication setting: 38400bps, N, 8, 1.

RS232 serial communication socket definition:

ITEM	SYMBOL	TYPICAL VALUE
1	NC	Reserved
2	TXD	RS232 data output
3	RXD	RS232 data input
4	NC	Reserved
5	GND	Ground
6	NC	Reserved
7	NC	Reserved
8	NC	Reserved
9	NC	Reserved

Remark:

1. Specifications are subject to change, please pay attention to our latest one.

2. Smart Identify Co., Ltd. reserves the right to the final interpretation of the above terms.