CMRFID
Technology CO. Ltd

UHF RFID Desktop Reader & Writer

CM-RFID107 R is a high performance Multiple Protocol UHF RFID Reader. It is designed upon fully self-intellectual property. Based on proprietary efficient digital signal processing algorithm, it supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as logistics, access control, attendance system, anti-counterfeit and industrial production process control system.

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FEATURES

Self-intellectual property;
Support ISO18000-6C (EPC C1G2),ISO18000-6B protocol tag;
902~928MHz frequency band(frequency customization optional);
FHSS or Fix Frequency transmission;
RF output power up to 30dbm(adjustable);
Built-in wideband antenna with effect distance up to 500mm
Support auto-running and interactive work mode;
Low power dissipation with single +9V DC power supply;
SupportRS232 and Wiegand interface;
Output format and parameters configurable;
Provide SDK and demo software to facilitate further development.

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INTERFACE

DB9 Male		
Pin	***Symbol***	***Comment***
1	NC	Reserved
2	TXD	TXD of RS232
3	RXD	RXD of RS232
4	NC	Reserved
5	GND	GND
6	WD0	Wiegand data0
7	NC	Reserved
8	WD1	Wiegand data1
9	GND	GND

CHARACTERISTICS

- Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	15	V
Operating Temp.	T OPR	-10~+60	C°
Storage Temp.	T STR	-25~+80	C°

- Electrical and Mechanical Specification

  Under T A =25℃, VCC=+9V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	6	9	12	V
Current Dissipation	I C		400	700	mA
Frequency	F REQ	902		928	MHz
Effective Distance	Dis	0	100	500	mm