



CMRFID

Technology CO. Ltd

UHF RFID long-range Intergrated Reader: CM-RFID6011B

Model: CM-RFID6011B

Size:445mmx445mmx66mm

N.W:2600g

CM-RFID6011B is a high performance UHF RFID integrated 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, and anti-counterfeit and industrial production process control system.

FEATURES:

Self-intellectual property;

Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag;
902~928MHz frequency band(frequency customization optional);
FHSS or Fix Frequency transmission;
RF output power up to 30dbm(adjustable);

12dbi antenna optional with effect distance more than 10m

Support auto-running, interactive and trigger-activating work mode; Low power dissipation with single +9 DC power supply;

Support RS232, RS485, Wiegand interface;

Provide DLL and Demonstration Software Source code to facilitate further development.

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CHARACTERISTICS

Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	16	V
Operating Temp.	T _{OPR}	-10~+60	°C
Storage Temp.	T _{STR}	-25~+80	°C

Electrical and Mechanical Specification

Under T_A = 25°C, VCC = +9V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	8	9	12	V
Current Dissipation	I _c		350	650	mA
Frequency	F _{FREQ}	902		928	MHz
Effective Distance	DIS	800	1000	1500	cm

INTERFACE

ITEM	COMMENT
Red	+9V
Black	GND
Yellow	Wiegand DATA0
Blue	Wiegand DATA1
Purple	RS485 R+
Orange	RS485 R-
Brown	GND
White	RS232 RXD
Green	RS232 TXD
Grey	Trigger input (TTL level)