CRYPTEX®

Cryptex CR-801

Model：**Cryptex CR-801**

Size：**235mmx235mmx57mm**

Weight: 900g

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GENERAL DESCRIPTION

The Cryptex CR-801 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;
- More frequency bands (frequency customization optional);
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm (adjustable);
- 8 dbi antenna optional with effect distance up to 5m[*];
- Support auto-running, interactive and trigger-activating work mode;
- Low power dissipation with single +9 DC power supply;
- Support RS232, RS485, Wiegand interface;

CHARACTERISTICS

- Absolute Maximum Rating

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

- Electrical and Mechanical Specification
  Under $T_A = 25℃$, 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_{REQ}	902		928	MHz
Effective Distance	DIS	300	500		cm

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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）

* Effective distance depends on antenna, tag and environment.