Model: Reader09

Dimension: 105mmx70mmx11mm

Net Weight: 80g

General Description

UHFREADER09 is a high performance Multiple Protocol UHF RFID Reader. It is designed upon fully self-intellectual property. Based on proprietory 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.

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 13dbm(adjustable);
- No external power source needed;
- Built-in antenna with effect distance up to 200mm[*];
- Support USB1.1 interface with VSP(Virtual Serial Port) or HID mode;
- Slim outline;
- Provide SDK and demo software to facilitate further development.

  Effective distance depends on protocol, tag and environment.

CHARACTERISTICS

- Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	6	V
Operating Temp.	T_{OPR}	-10~+60	℃
Storage Temp.	T_{STR}	-25~+80	℃

- Electrical and Mechanical Specification

  Under T_A＝25℃，VCC＝+5V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	4.5	5	5.5	V
Current Dissipation	I_C		120	200	mA
Frequency	F_{REQ}	902		928	MHz
Effective Distance[*]	Dis	0	100	200	mm

  Effective distance depends on protocol, tag and environment.