HYB506R

Multiple Protocol

UHF RFID Reader

Size：122mmx87mmx23mm

OEM, No Logo on Product is Available

General Description

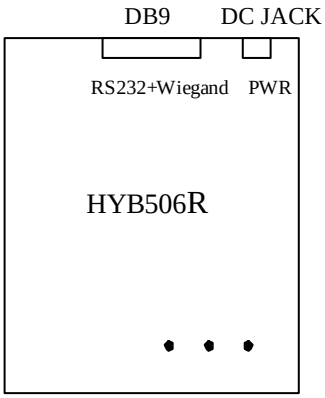
HYB506R is a high performance Multiple Protocol UHF RFID Reader. It is designed upon fully self-intellectual property. Based on proprietary efficient digital signal processing algorithm, it supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as logistics, access control, attendance system, anti-counterfeit and industrial production process control system.

FEATURES

- Self-intellectual property;
- Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag;
- 860~928MHz 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;
- Support RS232 and Wiegand interface;
- Output format and parameters configurable;
- Provide SDK and demo software to facilitate further development.

** Effective distance depends on protocol, tag and environment.*

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	℃
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	6	9	12	V
Current Dissipation	I_C		400	700	mA
Frequency	F_{REQ}	860		928	MHz
Effective Distance*	Dis	0	100	500	

** Effective distance depends on protocol, tag and environment.*