



UHF RFID desktop card Reader

USB105 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

- I Self-intellectual property;
- I Support UHF EPC Gen2(ISO18000-6C),ISO18000-6B protocol tags;
- I Advanced tag processing algorithm, high identification rate;
- I Built-in antenna with effective distance up to 180mm*;
- I Low power dissipation design;
- I Optional USB interface;
- I Provide DLL and Demonstration Software Source code to facilitate further development;
- I Provide Pocket PC/ PDA demo source code.

CHARACTERISTICS

I Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	5	V
Operating Temp.	T _{OPR}	-10~+60	°C
Storage Temp.	T _{STR}	-25~+80	°C

I Electrical and Mechanical Specification

Under T_a=25°C, VCC=+5V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	3.3	5	5.5	V
Current Dissipation	I _c		90	150	mA
Frequency	F _{REQ}	902		928	MHz
Effective Distance*	Dis	0	120	180	mm

Effective distance depends on protocol, tag and environment.