



UHF desktop reader and writer CHA-UR5102-USB

Product mode explanation

Model	Interface
CHA-UR5102-USB	USB
CHA-UR5102-USB-K	USB emulate keyboard stroke(only read)

CHA-UR5102 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

1. Self-intellectual property;
2. Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag;
3. 902~928MHz、860~868Mhz frequency band(frequency customization optional);
4. FHSS or Fix Frequency transmission;
5. RF output power up to 10dbm(adjustable);
6. No external power source needed;
7. Built-in antenna with effect distance up to 200mm* ;
8. Support USB1.1 interface with VSP(Virtual Serial Port) or HID mode;
9. Slim outline;
10. Provide SDK and demo software to facilitate further development.

* Effective distance depends on protocol, tag and environment.

CHARACTERISTICS

1 Absolute Maximum Rating

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

1 Electrical and Mechanical Specification

Under T_A=25°C, 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.*