

Middle-Distance UHF Card Reader



S-1U100RS-RJ

S-1U100RS-RJ 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.

Key Features

- Self-intellectual property
- Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag
- 865 ~ 868 / 902~928MHz frequency band(frequency customization optional)
- FHSS or Fix Frequency transmission
- RF output power up to 30dbm(adjustable)
- 8dbi antenna optional with effect distance up to 6m*
- Support auto-running, interactive and trigger-activating work mode
- Low power dissipation with single +9 DC power supply
- Support RS232, RS485, Wiegand interface
- Provide DLL and Demonstration Software Source code to facilitate further development



SPECIFICATION : S-1U100RS-RJ

CHARACTERISTICS

I Absolute Maximum Rating

Item	Symbol	Value	Unit
Power Supply	VCC	16	V
Operating Temp.	T _{OPR}	-10~+60	°C
Storage Temp.	T _{STR}	-25~+80	°C

I Electrical and Mechanical Specification

Under TA = 25°C, 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	800	1000		cm

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)



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