

15693-RW-232-1W (RR9001) RFID Reader/writer

Description

It is designed for reading/writing data from/to ISO/IEC 15693 protocol tag. The reader system consists of reader/writer, RF antenna, communication cable and PC or servers. It is ideal for application where long range and high-speed item identification is required:

- Logistics management
- Supply chain management (SCM)
- Library tracking system
- Jewelry management system
- Inventory Tracking system
- Assess and Asset Control
- Licensing
- Anti-forgery and production control systems etc



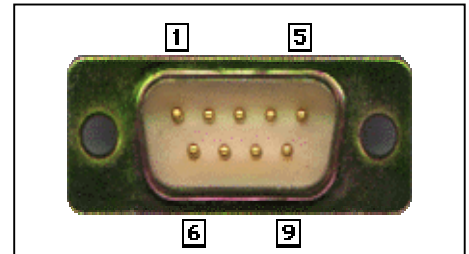
Feature

- Operation frequency : 13.56 Mhz
- Support the tags with ISO/IEC 15693 communication protocol
- Anti-collision read available, identify rate : 30~50 tags/s
- Reading range : 30-40 cm for ISO card / 10-20 cm for tag label
- RF output power : 1W
- Support 50Ω RFID external antenna (30 X 42 cm) with single SMA connection
- Communication interface : RS232
- Supply DLL function for development by VC
- I/O interface : 1 input, 2 output, built-in relay output
- Power supply: +12V , Operating current :350 mA
- Dimension:12 X 10.5 X 3 cm

Interface

1. Power Supply

Wire Color	Description
Red	(Vcc): +12V (center +ve)
Black	Ground (GND)



2. DB9 Interface

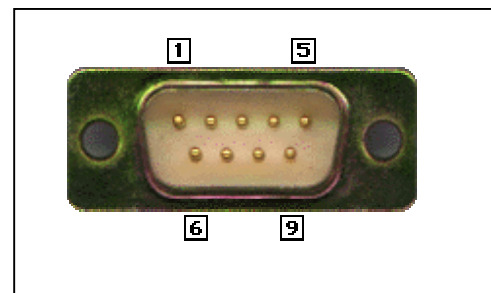
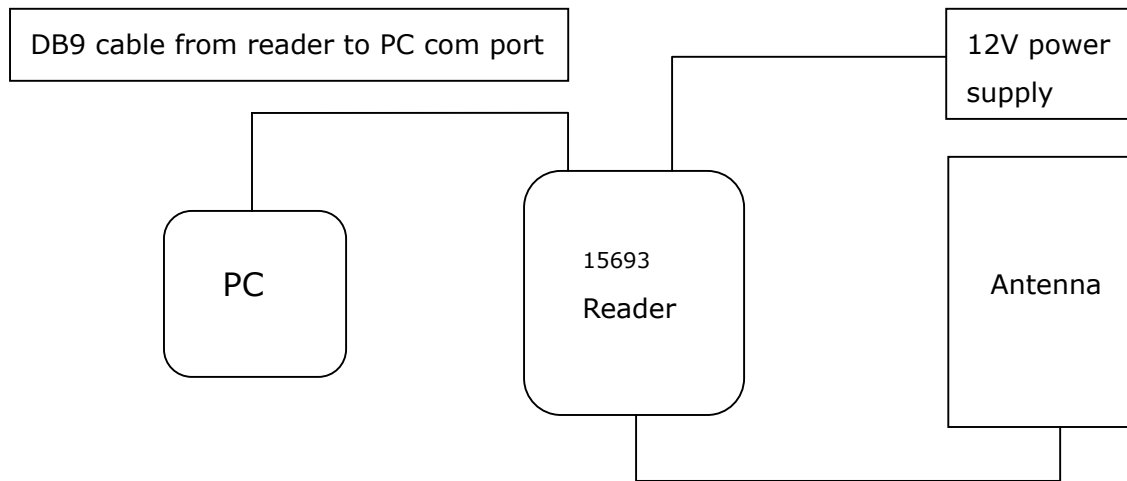
Pin number	Assignment	Description
1	G_IN1	TTL Level Input,internal 20K resistor connect +5 V
2	TXD	RS232 Transmit
3	RXD	RS232 Receive
4	G_OUT1	TTL Level Output, Vout Max Load current 5mA
5	GND	Gnd
6	G_OUT2	TTL Level Output ,Vout Max Load current 5mA
7	COMMON	Relay Common ,C
8	N_C	Relay Normal Close , NC
9	N_O	Relay Normal Open , NO

3. Characteristics

Electrical and Mechanical Specification (Under Ta =25°C,Vcc=12V unless specified)

Item	Min.	Typ.	Max.	Unit
Power supply ,Vcc	11.5	12	15	V
Operating Current ,Icc		350	450	mA
Operating Frequency		13.56		Mhz
Reading Range		20 (ISO card size)	30	cm
Relay Current		1A (at 24VDC)/0.5A (at 125VAC)		A
Dimension – 1W reader		12 X 10 X 3		cm
Dimension – Antenna		30 x 42 X 1 (main plate) 10 x 6.5 x 5 (antenna box)		cm

Connection Diagram



Front Side View of the Reader

