



## FT-9966 RFID Reader

For ISO/IEC 15693



### Brief Introduction

FT-9966 is a kind of electronic tag reader with high capability of ISO15693 agreement.. It is completely independent knowledge property design, combined with high efficient anti-collision arithmetic of electronic tag and can be used widely in logistics, personnel identification, meeting signature system, door control system, anti-fake system and many kinds of no wire RFID system in productive process control.

### Characteristic

Completely independent knowledge property design

Full support of the main electronic tag (TI、PHILIPS、ST、INFINEON、FUJITSU. . . ) which meet ISO/IEC15693 agreement.

Advanced anti-collision arithmetic of electronic tag, high identification, typical handling rate 30~50 pieces per second.

SMA interface can connect line directly, 50Ω standard antenna, and the efficient distance can reach mote than 50CM.

Workman like externality, low power design, single 12V supply.

Radio frequency output power 1W, adapter can be chosen, support multi-antenna

RS232 or RS485 interface, provide dynamic link library, and support secondary development

8 bits reader address (0~254,255 is the broadcasting address), support multi-reader to connect net together

Support one currency input and two currency output interfaces

Has repay inside

Just quip for C edition



**Connection Introduction**

Sequence	Color	Emblem	Specification
1	red	VCC	12V power
2	black	GND	earth

**Interface Introduction**

Standard DB9 FEMALE interface, directly connect mainframe system

Sequence	Emblem	Specification
1	G_IN1 *	TTL electricity currency input interface, connect DB9 FEMALE
2	TXD (R-)	RS232 data output (RS232 interface effective) or R-(RS485 interface effective)
3	RXD (R+)	RS232 data input (RS232 interface effective) or R+(RS485 interface effective)
4	G_OUT1	TTL electricity currency output, the largest load current is 5mA
5	GND	earth
6	G_OUT2	TTL electricity currency output, the largest load current is 5mA
7	COMMON	Public interface of relay inside
8	N_C	Constant shut interface of relay inside
9	N_O	Constant shut interface of relay inside

Just equip for C edition

**Electricity Characteristic**

**Ulmost parameters**

Item	Emblem	numerical value	Unit
Power voltage	VCC	16+	v
G_IN1、G_OUT1、G_OUT2 input/output voltage	v	7+	v
Operation temperature	T	25~+60	°C
Storage temperature	T	-25~+80	°C

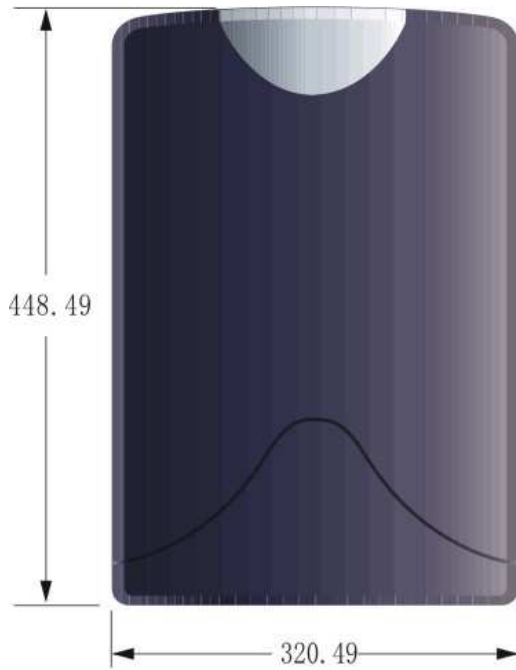


**Specification**

Unless special instruction, the specification is under the operation condition of  $T_A=25^{\circ}\text{C}$  and  $V_{CC}=+12.6\text{V}$

Item	Emblem	Smallest	Typical	Largest	Unit
I Power voltage	VCC 11.6	12.6		15	V
Operation current	$I_C$		0.8	12	A
Operation frequency	F		13.56		MHz
Effective distance	DIS	0	900	1000	mm
G_IN1 input electricity	$V_{IH}$ $V_{IL}$	3.5	23	1.55	V V
G_OUT1G_OUT2 Output current	$\pm I_o$			5	mA
G_OUT1、G_OUT2 output current	$V_{OH}(I_o=-5\text{mA})$ $V_{OL}(I_o=5\text{mA})$	3.95		0.73	V
relay	Interface load	CLOAD		0.5A at 125VAC 1A at 24VDC	
	Interface operation voltage			125VAC 60VDC	V
	Interface operation current			1	A

**Dimension**



Depth 32.55 Unit: mm