

## GENERAL DESCRIPTION

RHOMBUS MF 302R transceiver unit is designed for reading the Serial Number of the Mifare I compatible IC cards and supports USB1.1 keyboard emulation interface. It can be applied in office/home security, personal identification, access control, anti-forgery and production control systems etc.

## FEATURES

- Built-in transceiver antenna;
- Maximum effective distance up to 75mm;
- Less than 200ms decoding time;
- Low power dissipation and no external power required;
- Supports USB1.1 keyboard emulation interface.
- Support Mifare I compatible IC cards;
- Built-in LED and buzzer.

## INTERFACE SPECIFICATION AND DATA FORAMT

Data output is transmitted in way of USB1.1 keyboard emulation interface.

Data is the IC card's 10 serial numbers (decimalist)

Windows98、2000 and XP program has USB drive itself.

## CHARACTERISTICS

- Absolute Maximum Ratings

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	6	V
Operating Temp.	T <sub>OPR</sub>	0~+70	°C
Storage Temp.	T <sub>STR</sub>	-55~+125	°C

- Electrical and Mechanical Specification

Under T<sub>A</sub> = 25°C, VCC = +5V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	4.5	5	5.5	V
Current Supply	IC		80	120	mA
Operation Freq.	F <sub>REQ</sub>		13.56		MHZ
Effective Distance*	DIS	0	50	75	mm
Decoding Time	T <sub>DEC</sub>		120	200	ms

Effective Distance depends on tags, antenna and operating environment.

**Note: Rhombus' products must work with linear regulated power supply, and other kinds of power supply are prohibited.**