GENERAL DESCRIPTION

Rhombus MF302 R/W is a high performance contactless IC card reader/writer that support Mifare I S50 and its compatible card. Rhombus MF302 R/W could be widely applied in "One-Card-Pass", access control and other RFID application system.

FEATURES

- Built-in transceiver antenna;
- Maximum effective distance up to 90mm;
- Support USB 1.1 interface, no external power source required;
- Support Mifare I S50 and its compatible IC card
- Provide USB drivers for WINDOWS 98,2000 and XP;
- Provide Dynamic Link Library(DLL) file under WINDOWS environment
- Provide card delivery and customization reference software

CHARACTERISTICS

- Absolute Maximum Ratings

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	6	V
Operating Temp.	T_{OPR}	0~+70	℃
Storage Temp.	T_{STR}	-55~+125	℃

- Electrical and Mechanical Specification

Under $T_A25VCC5V$ unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	4.5	5	5.5	V
Current Supply	I_C		70	100	mA
Operation Freq.	F_{REQ}		13.56		MHz
Effective Distance*	DIS	0	50	90	mm

* Effective Distance depends on tags and operating environment.

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