

GENERAL DESCRIPTION

Rhombus MF 301 R/W is a high performance contactless IC card reader/writer that support Mifare I S50 and its compatible card. Rhombus MF 301 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;
- Low power dissipation with single power supply;
- Support RS232 interface;
- Support Mifare I S50 and its compatible IC card
- 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	16	V
Operating Temp.	TOPR	0~+70	℃
Storage Temp.	TSTR	-55~+125	℃

● Electrical and Mechanical Specification

Under $T_A 25^{\circ}\text{C}$ VCC+12V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	10	12	15	V
Current Supply	IC		60	85	mA
Operation Freq.	FREQ		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.