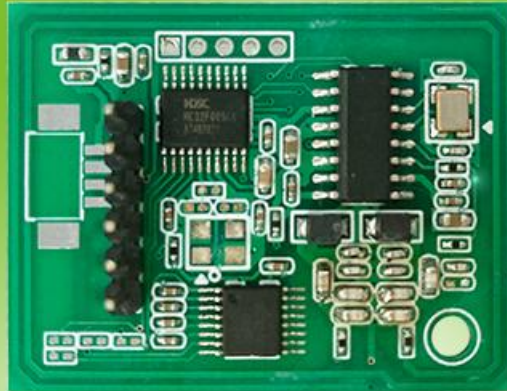


ICM111 Series

IC Module



Overview

ICM111 series module is a 13.56MHz read and write card module, which conforms to the ISO/IEC14443A international standard. It supports obtaining the physical card numbers of Mifare, Ultralight and NTAG2xx cards, and also supports reading and writing Mifare card sector data. This series of modules provides a variety of interface options and adopts an integrated antenna design, which integrates small size, ease of use and reliability. Can be customized according to customer requirements, widely used in access control systems, school management, community management, membership management, asset management, anti-counterfeiting control and other fields.

Models

Models	Voltage	Interface
ICM111A - T(M141)	5V	TTL
ICM111A - W(M142)	5V	WG34
ICM111A - R(M217)	5V	RS232

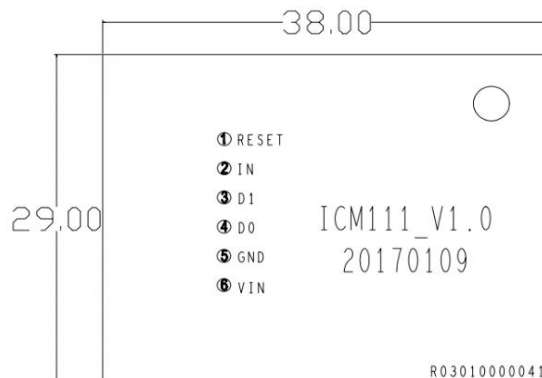
Features

- ◇ Antenna integrated, easy to install;
- ◇ Adopt non-contact communication chip, stable performance and good compatibility;
- ◇ support get UID of ISO/IEC14443A card;
- ◇ support read and write content of Mifare sector;
- ◇ The default automatic card search mode, actively sending data;
- ◇ Provide demo software and secondary development kit.

Specifications

Params	Description
Protocol	ISO/IEC14443A
Frequency	13.56MHz
Baud rate	9600 - 115200bit/s(optional, default 115200bit/s)
Power	Optional: DC 3.3V ($\pm 5\%$)
Working current	<100mA
Communication Interface	Optional: WG34、TTL, RS232
module embedding	2.54mm pitch pins
Operating distance	0~60mm (Depends on work environments and card types)
Card type	Under protocol ISO/IEC14443A, such as: Mifare1 S50、Mifare1 S70、FM11RF08
Operating temperature	-10°C~+70°C
storage temperature	-20°C~+80°C
Working humidity	15%~90%
size	38mm×29mm×11.5mm (tolerance: ± 3 mm)

Size



Pin definition

Pin No.	Name	Description
1	RESET	Reset
2	IN	NC function reserved
3	D1	Serial port data reception/I2C interface SDA data/Wiegand interface DATA1
4	D0	Serial data transmission/I2C interface SCL clock/Wiegand interface DATA0
5	GND	Ground
6	VIN	Power input

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For more contact methods and product information, please visit our website: www.zkradio.com

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