

ICM350 Series

IC Module



Overview

ICM350 Series module is multi-protocol card reader module of 13.56MHZ high frequency ,which compliant with ISO/IEC14443A, ISO/IEC14443B, ISO/IEC15693 international standards. It adopts special non-contact communication chip, with stable performance and powerful function, and provides a variety of interface. 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

Series	Models	Interface	Voltage	Cards type
ICM350A	ICM350A – T (M175)	TTL	5V	Get UID of card under protocol ISO/IEC14443A, read/write S50/S70/FM11RF08
	ICM350A –W(M176)	WG34		
	ICM350A – W(M224)	WG26		
ICM350AL	ICM350AL - T(M178)	TTL	3.3V	Get UID of card under protocol ISO/IEC14443A, read/write S50/S70/ULT/NTAG/FM11RF08/FM1208, ISO/IEC14443A APDU command
ICM350A+	ICM350A+- T(M180)	TTL	5V	
ICM350A+L	ICM350A+L - T(M182)	TTL	3.3V	
ICM350B	ICM350B - T(M188)	TTL	5V	Get UID of card under protocol ISO14443A/B, read/write MS50/S70/ULT/NTAG/FM11RF08
ICM350BL	ICM350BL - T(M190)	TTL	3.3V	

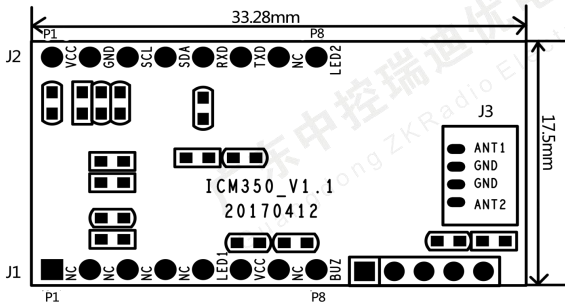
Features

- ◇ Adopt non-contact communication chip, stable performance and good compatibility;
- ◇ Support ISO/IEC14443A, ISO/IEC14443B, ISO/IEC15693 protocol,
- ◇ Various communication interfaces are available: TTL, IIC, Wiegand 34, Wiegand 26;
- ◇ Provide demo software and secondary development kit.

Specifications

Params	Description
Protocol	ISO/IEC14443A,ISO/IEC14443B,ISO/IEC15693
Card type	Mifare one S50, Mifare one S70, Mifare ultralight, FM11RF08, FM1208 (Fudan CPU card) , UID of Chinese 2nd-generation ID card, ICODE, NTAG213, NTAG215, NTAG216
Frequency	13.56MHz
Baud rate	9600 - 115200bit/s(optional, default 115200bit/s)
Protocol	DC5V, 3.3V (±5%)
Card type	<100mA
Frequency	TTL, IIC, Wiegand 26, Wiegand 34
Module embedding	2.54mm pitch pins
Ant-connecting	1.25mm Spacing horizontal slot
Operating distance	0~50mm (Depends on work environments and card types)
Operating temperature	-10℃~+70℃
storage temperature	-20℃~+80℃
Working humidity	15%~90%
size	33.28mm×17.5mm×13.5mm (tolerance: ±3mm)

Size



Pin definition

Pin No.	Name	Description
J1		
P1	S-R	SAM reset
P2	CLK	SAM clock
P3	S-D	SAM data
P4	NC	NOTCONNECTED
P5	LED1	LED1
P6	VCC	Power (same as J2-P1)
P7	NC	Spare
J2		
P1	VCC	Power (same as J1-P6)
P2	GND	Ground
P3	SCL	I2C clock
P4	SDA	I2C data
P5	RX	Received external data
P6	TX	Transmit external Data
P7	NC	NC NOTCONNECTED
P8	LED2	LED2
J3	ANT	1.25mm 4pin for antenna

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