



## Ci-RT201 2.4Ghz Active RFID Card



Ci-RT201 active card operates in 2.4Ghz ISM frequency band, featured in more than 100m long range distance reading, low battery consumption to assure long battery life, it is mainly used for personal management, construction field employee tracking, school students time attendance system, asset tracking system etc.

### FEATURES

- ☒ Double Battery Design for Longer Battery Life Time
- ☒ Active Working Mode, Send Signal at Certain Time
- ☒ Battery Low Alarm
- ☒ Reading Distance 120m Adjustable



## TECHNICAL PARAMETER

<b>Working Frequency</b>	ISM 2.4-2.48GHz
<b>Modulation</b>	GFSK
<b>Rf Output Power</b>	-13- +7dBm (default 0dBm)
<b>Communication Speed</b>	1Mbps
<b>Tag Unique Id</b>	4 byte
<b>Working Mode</b>	Active sending
<b>Signal Interval</b>	800ms/s
<b>Battery Life Time</b>	4 year
<b>Reading Distance</b>	0-120m (open area)
<b>Dimension</b>	87 *55 *5.5mm
<b>Weight</b>	25g
<b>Material</b>	ABS+PC
<b>Working Temperature</b>	-20°C~ +60°C
<b>Storage Temperature</b>	-25°C~ +65°C
<b>Humidity</b>	5% ~ 95%
<b>Ip Rating</b>	IP65



## Ci-RT202 Dual Frequency Tag



Ci-RT202 dual-frequency active RFID tag operates in multi-frequency, like 13.56 MHz & 2.45 GHz, 125Khz & 2.45 GHz or UHF & 2.45 GHz. It is suitable for scene that requires different frequency for different purpose, like 13.56Mhz for consumption, 125Khz for access control etc.

### FEATURES

- ☑ Flexible Frequency Band Optional for Different Scene
- ☑ 2.4Ghz ISM With Unique 4bytes ID
- ☑ 100m Reading Distance in Open Area
- ☑ PVC Plastic Shell, High-Tension



## RF PARAMETER

<b>Operating Frequency</b>	2.4-2.48GHz & 13.56MHz (default); 2.4-2.48GHz & 125Khz (customized); 2.4-2.48GHz & UHF (customized)
<b>Output Power</b>	-13~+7dBm
<b>Modulation</b>	GFSK
<b>Communication Speed</b>	1Mbps

## BASIC PARAMETER

<b>Basic Id</b>	4 byte
<b>Operating Mode</b>	Active operating mode
<b>Signal Interval</b>	800ms/time (can be customized from 100ms-60s)
<b>Battery Life Time</b>	4-year life (related to output power and reader type as well)
<b>Reading Distance</b>	0-180m (operate with 5dBi antenna in open area)

## MECHANICAL& ELECTRICAL PERFORMANCE

<b>Dimension</b>	87 *55 *5.5mm
<b>Weight</b>	25g
<b>Working Temperature</b>	-20°C~ +60°C
<b>Storage Temperature</b>	-25°C~ +65°C
<b>Humidity</b>	5%~95% (non-condensing)
<b>Waterproof</b>	IP65
<b>Shock Resistance</b>	10~2000Hz, 20mm/15g, Triaxial



## Ci-RT203 Rugged Active RFID Card



Ci-RT203 active RFID tag operates in the 2.4GHz ISM band, based on high IP 67 rating water-proof design, it can be widely used for outdoor applications like pallets tracking, boats management, asset tracking, tooling identification etc.

### FEATURES

- ☑ ISM 2.4-2.48Ghz Working Frequency
- ☑ Unique Low Power Consumption and High Capacity, Wide Temperature Tolerance Battery Design, Support Longer Working Time.
- ☑ Active Working Mode, Around 150m Reading Distance Adjustable
- ☑ Battery Low Alarm
- ☑ IP67 Water-Proof Design



## TECHNICAL PARAMETER

<b>Working Frequency</b>	ISM 2.4-2.48GHz
<b>Modulation</b>	GFSK
<b>Rf Power</b>	-13~+7dBm (default 0dBm)
<b>Communication Speed</b>	1Mbps
<b>Tag Id</b>	4 byte
<b>Working Mode</b>	Active
<b>Signal Interval</b>	800ms (customizable from 100ms-60s)
<b>Battery Life Time</b>	5-6 year (related to signal interval and RF power)
<b>Battery Low Alarm</b>	Yes, software
<b>Reading Distance</b>	0-150m (open area, reader antenna type matters)
<b>Dimension</b>	88 *57 *5mm
<b>Weight</b>	25g
<b>Material</b>	ABS+PC
<b>Working Temperature</b>	-20°C~ +60°C
<b>Storage Temperature</b>	-25°C~ +65°C
<b>Humidity</b>	5% ~ 95%
<b>Ip Rating</b>	IP67



## Ci-RT205 Keyfob Active RFID Tag



Ci-RT205 active RFID tag operates in the 2.4Ghz ISM band, it is small keyfob shape, which is suitable for asset management, personnel access monitoring and other integrations.

### FEATURES

- ☒ ISM 2.4-2.48Ghz Working Frequency
- ☒ Active Working Mode, Around 60m Reading Distance
- ☒ Battery Low Alarm, Software and Physic LED
- ☒ SOS Button Optional
- ☒ Battery Replaceable



## TECHNICAL PARAMETER

<b>Working Frequency</b>	ISM 2.4-2.48GHz
<b>Modulation</b>	GFSK
<b>Rf Power</b>	-20-0dBm (default 0dBm)
<b>Communication Speed</b>	1Mbps
<b>Tag Id</b>	4 byte
<b>Working Mode</b>	Active
<b>Signal Interval</b>	800ms (customizable from 100ms-60s)
<b>Battery Alarm</b>	Software remind and LED (red LED if battery low)
<b>Battery Life Time</b>	2 years, battery replaceable
<b>Reading Distance</b>	0-60m (open area, reader antenna type matters)
<b>Installation</b>	Rope hang up
<b>Dimension</b>	52 *31 *11.5mm
<b>Weight</b>	25g
<b>Material</b>	ABS+PC
<b>Working Temperature</b>	-20°C~ +60°C
<b>Storage Temperature</b>	-25°C~ +65°C
<b>Humidity</b>	5% ~ 95%
<b>Ip Rating</b>	IP64



## Ci-RT207 Asset Active RFID Tag



Ci-RT207 active tag operates in the 2.4Ghz ISM band, it is designed to asset surface mounting, can be attached on asset surface easily, it is mainly used for indoor assets management , hospital equipments tracking and other applications.

### FEATURES

- ☑ ISM 2.4-2.48Ghz Working Frequency
- ☑ Active Working Mode, Around 100m Reading Distance
- ☑ Battery Low Alarm
- ☑ Battery Replaceable
- ☑ Adhesive or Bolt Installation



## TECHNICAL PARAMETER

<b>Working Frequency</b>	ISM 2.4-2.48GHz
<b>Modulation</b>	GFSK
<b>Rf Power</b>	-13~+7dBm (default 0dBm)
<b>Communication Speed</b>	1Mbps
<b>Tag Id</b>	4 byte
<b>Working Mode</b>	Active
<b>Signal Interval</b>	800ms (customizable from 100ms-60s)
<b>Battery Low Alarm</b>	Yes
<b>Battery Life Time</b>	2 years, battery replaceable
<b>Reading Distance</b>	0-120m
<b>Installation</b>	Sticker/bolt
<b>Dimension</b>	52 *36 *15mm
<b>Weight</b>	25g
<b>Material</b>	ABS+PC
<b>Working Temperature</b>	-20°C~ +60°C
<b>Storage Temperature</b>	-25°C~ +65°C
<b>Humidity</b>	5% ~ 95%
<b>Ip Rating</b>	IP65



## Ci-RT208 LF Wake up Active RFID Tag



Ci-RT208 LF Wake up tag is woken by 125KHz LF signal and sends together LF activator address and 2.45GHz frequency tag ID to reader. It is suitable for corporation/school personnel management, vehicle auto checking & identification, parking lot management etc.

### FEATURES

- ☑ ISM 2.4-2.48Ghz Working Frequency, 125khz Wake Up Signal
- ☑ 1-6m Waking Up Radius, Idea Work as RFID Locator Tag
- ☑ Unique Wake Up Algorithm to Assure Accurate Tag Waking Up
- ☑ 3D 125Khz Antenna Design to Assure Three-Dimensional Waking Up Signal
- ☑ Flexible Active+ LF Wake Up Mode



## TECHNICAL PARAMETER

<b>Working Frequency</b>	ISM 2.4-2.48GHz
<b>Modulation</b>	GFSK
<b>Waking Up Signal</b>	125KHz
<b>Waking Up Modulation</b>	OOK
<b>Rf Power</b>	-20~+0dBm( default 0dBm)
<b>Tag Id</b>	4 byte
<b>Address Id</b>	2 byte
<b>Working Mode</b>	LF wake up or LF wake up+active
<b>Id Waking Up Time</b>	<30ms, 40ms to 60s adjustable
<b>Battery Life Time</b>	4-5 year
<b>Battery Low Alarm</b>	Yes
<b>Waking Up Distance</b>	4-6m (adjustable)
<b>Reading Distance</b>	0-100m
<b>Dimension</b>	88 *57 *5mm
<b>Weight</b>	30g
<b>Material</b>	ABS+PC
<b>Working Temperature</b>	-20°C~ +60°C
<b>Storage Temperature</b>	-25°C~ +65°C
<b>Humidity</b>	5% ~ 95%
<b>Ip Rating</b>	IP67