Cirfid Technology

We are committed to develop IOT&RFID technologies products.
Email: info@cirfid.com   Tel: 0086 75527749601

Ci-RD291 Desktop Active RFID Reader

Ci-RD291 is a destop reader developed specially for the integration application of 2.4Ghz active RFID system, it is integrated with high precision distance control chip and RSSI detection circuit. The reading distance of Ci-RD291 can be controlled under 50cm, which is very suitable for active tags authorization or time attendance system.

FEATURES

☑ ISM 2400-2480Mhz Working Frequency, Private Protocol

☑ Build-in 2dBi Antenna, Small Size Suitable for Desktop Reading/ Card Authorization.

☑ 0-50cm Reading Distance

☑ Software Provide RSSI Threshold for Accurate Reading

☑ API in C++, C# for Easy Developing

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RF PARAMETER

Working Frequency	ISM 2.4-2.48GHz
Output Power	Max +4dBm, step -2dB, software adjustable
Receive Sensitivity	-93dBm
Rssi	-50dBm- -80 dBm, accuracy ±1dB
Antenna	Build-in 2dBi antenna (metal friendly)

COMMUNICATION PARAMETER

Data Port	USB 2.0
Indicator	Buzzer, double-color LED
Firmware Upgrade	Support USB connection updating with specified software
Application Software	API in C++/C#

TAG OPERATION

Tag Protocol	Private (customizable)
Reading Distance	0-50cm (adjustable by software)
Reading Speed	200pcs/s
Anti-Collision	1000pcs

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MECHANICAL & ELECTRICAL PERFORMANCE

Dimensions	110 *70 *16.5mm
Weight	50g
Power	Power by USB
Working Temperature	-30°C~+70°C
Storage Temperature	-40°C~+80°C
Working Humidity	5% ~ 95% (non-condensing)
Ip Rating	IEC IP 65
Installation	Desktop