Ci-RF231 Omni-directional Active Reader

Ci-RF231 is omni-directional reader with the wide reading range and high reading speed, feature with more than 100m reading radius, high reliablity suitable for tunnel personnel tracking, industrial data acquistion, asset monitoring and tracking etc.

FEATURES

☑ ISM 2400-2480Mhz Working Frequency, Private Protocol

☑ Reading Radius 3-100m in Open Area, Range Adjustable by Software

☑ Antenna Connect Outside

☑ Support RS-232, Ethernet Communication Ports

☑ Support GPIO

☑ C#/C++ API Provided

The information in this publication supersedes all earlier editions. Specifications are subject to change without notice.
For more technical parameters, please visit www.cirfid.com or contact our sales. 📞 0086 75527749601 ✉ info@cirfid.com

Cirfid Technology

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RF PARAMETER

Working Frequency	ISM 2.4-2.48GHz
Output Power	Max +15dBm, step -2dB, software adjustable
Receive Sensitivity	-93dBm
Antenna Port	1 SMA connector
Antenna Gain	Default 6dBi omni-directional, other type optional

COMMUNICATION PARAMETER

Data Ports	RS232, Ethernet
Data Ports(optional)	RS485, Wiegand 26/34 (customizable)
Gpio	2 channel trigger (optical isolated) input (5V, <20mA); 2 channel relay output (30V, <1000mA)
Firmware Upgrade	Support RS 232 connection updating with specified software
Application Software	API in C++/C#

TAG OPERATION

Tag Protocol	Private
Reading Distance	0-150m radius (antenna/tag type matter)
Reading Speed	300pcs/s

MECHANICAL & ELECTRICAL PERFORMANCE

Dimensions	168 *145 *42.5mm (antenna excluded)
Weight	500g
Power Supply	DV 5V/2A
Power Consumption	200mw standby, 400mw working
Working Temperature	-30°C~+70°C
Storage Temperature	-40°C~+80°C
Working Humidity	5% ~ 95% (non-condensing)
Ip Rating	IP 55
Installation	Ceiling or desktop