



RS-RD5224



RS-RD5230



SKU:	RS-RD52B
Frequency:	HF 13.56 MHz
Protocol:	ISO/IEC 15693, ISO/IEC 18000-3M1
Read Range:	Up to 118 cm
Interface:	RS232, RS485, Ethernet, USB, CAN

High Power Long Range HF RFID Reader

The high-frequency, high-power RFID split-type reader delivers highly sensitive reading and writing performance, complemented by a fast anti-collision algorithm. It supports multiple communication interfaces, including Ethernet, USB, RS232, and RS485, providing versatile connectivity options. With a remarkable reading speed of up to 70 tags per second, the device ensures stable and reliable performance in demanding environments.

This reader is perfect for RFID integration projects with high reading and writing requirements, such as large-scale, dense tag reads and long-range reading. Its wide range of applications includes jewelry management, poker chip management, production automation, and personnel access control, making it an ideal solution for industries requiring robust RFID solutions.

Physical Information	Model	RS-RD5224	RS-RD5230
	Dimensions(L×W×H)	308.5×207×38 mm	438.6×207×38 mm
	Antenna Interface	SMA×24	SMA×30
	Shell Material	Sheet Metal	
	Interface	RS232, RS485, Ethernet, USB, CAN	
	RF Output Power	1~8W(adjustable via configuration tool, default system setting: 4W)	
	Operating Modes	Host mode, scan mode(configurable via setup tool)	
	Input Voltage	12V DC	
	Maximum Power Consumption	35W	
	Power Connector	Threaded DC 2.1 mm	

Technical Information	Operating Frequency	13.56MHz
	Communication Protocol	ISO/IEC 15693, ISO/IEC 18000-3M1
	Read Range	Up to 118 cm with a single antenna(antenna dimension: 560×650mm)
	Fastest Read Rate	70 tags/sec
	Detection	Support Noise/Antenna Standing Wave Detection
	Disable RF When Idle	Support
	Buffer Mode	Support, with a maximum buffer of 700UID
	Triple Automatic Protection	Overheating/Over-current/Short-circuit Protection
	Measure the Signal Strength (RSSI value)	Support
	Firmware Updates via Serial Port, USB Port, and Network Port	Support

Additional Information	Operating Environment	-20°C~+50°C, 20%~80% RH, non-condensing
	Storage Environment	+18°C~+28°C, 10%~95% RH, non-condensing
	Industry	Retail, Healthcare, Hospitality, Catering, Events
	Application	Security and Identity Verification, Smart Parking, Anti-counterfeiting verification, Production line management, Access control, Checkout

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● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
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