

# HF LONG RANGE READER

**Model:** RD5101, RD5104, RD5106  
 RD5112, RD5124

Andea HF Long Range Reader series owns high sensitivity and fast collision-resistance algorithm. With stable performance, more than 300pcs labels can be read out per time. This series is fit for higher reading performance. There are 1/4/6/12/24channel readers for different application, Ethernet, RS232 and RS485 communication interfaces for option. This series is compatible with ISO15693 and ISO18000-3 protocols.

### Application:

Electronic Dinner Plate, Intelligent Bookshelf, Intelligent Dense Rack, Personnel Identification, Jewelry Inventory, Warehouse Logistics, Production Automation , etc.

### Main Features

- ▶ Operating Frequency: 13.56Mhz
- ▶ Compatible Protocol: ISO15693 and ISO 18000-3
- ▶ RF Power: 1-8W (adjustable)
- ▶ Interface of Antenna: SMA(50Ω)
- ▶ With fast collision-resistance algorithm, reading speed up to 50pcs/s, more than 300pcs tags can be read in one time
- ▶ Reading Range (for reference): about 90cm for single antenna (depend on tag and antenna)
- ▶ Communication Interface: RS232 / RS485 / Ethernet
- ▶ Support noise detection, be capable of detecting interference around
- ▶ Be capable of turning off RF automatically on standby
- ▶ Integrated one-relay output
- ▶ Power Supply: 12V DC, ≤1.5A
- ▶ Support HOST CONTROL and SCAN two working modes, setup through software



Intelligent Bookshelves



Warehouse Logistics



RD5101



RD5104



RD5106



RD5112



Communication Interface



RD5124



Communication Interface

### Technical Specification

Model Name	RD5101	RD5104	RD5106	RD5112	RD5124
Operating Frequency	13.56Mhz				
Compatible Protocols	ISO15693, ISO18000-3				
RF Power	1~8W ( Adjustable )				
Antenna Interface	SMA * 1	SMA * 4	SMA * 6	SMA * 12	SMA x 24
Communication Interface	RS232/RS485 and Ethernet				
Voltage	12V DC				
Maximum Power Consumption	≤18W				
I/O	1 Relay/1 MOS				
EMI Detection	Support				
Housing Material	Aluminium Alloy				Sheet metal
Dimension	216*182.5*32 mm				319*205*38 mm
Weight	1030g	1055g	1055g	1135g	1875g