

High-Power HF RFID Reader



Key Features

Operating Frequency	HF 13.56MHz
International Standard	ISO 15693
Reading Speed	70 pcs/sec
Maximum Power Consumption	35W

1. Product Overview

The high-power HF RFID reader is a device with exceptional sensitivity for reading and writing,along with rapid anti-collision processing algorithms. It integrates various communication interfaces such as Ethernet, USB, RS232, and RS485.

Its performance is stable for RFID integration projects with stringent read and write requirements. For instance, it excels in scenarios where there is a need to read large quantities of densely packed RFID tags or achieve long-distance reading.

Currently, this product finds widespread application in areas such as jewelry management, chip management, production automation, and access control.

2. Specification

2.1 Physical Characteristics

SKU	AZ-RD5201	AZ-RD5206	AZ-RD5212
Dimensions	200×168×33mm (L×W×H)		
Shell Material	Aluminum alloy		
Antenna Interface	SMA×1	SMA×6	SMA×12
Antenna Port	Direct current output		
Communication Interface	RS232 RS485 USB: HID Custom / HID Keyboard / VCP/Ethernet		
Power Interface	Threaded DC2.1		



2.2 Performance

Radio Frequency Output Power	4W (1-8W)
Power Supply Voltage	12±1V DC
Maximum Power Consumption	35W
Circuit Output/Input	1 relay output, 1 MOS tube output, and 1 optocoupler input; 4 GPIOs
Operating Mode	Host command mode, Automatic read mode

2.3 RFID Features

Operating Frequency	13.56MHz
Communication Protocol	ISO 15693
Reading Speed	70 pcs/sec
Automatic Shutdown Function	Turning off the radio frequency when idle
Inventory Buffer (Max)	700UID
Inventory Buffer (Max)	Supported three kinds of levels

2.4 Additional Info

Restore to Factory Settings	Support
SWR Detection	Support
System Error Notification	by indicator
Noise Detection	Support
RSSI Data Detection	Support
Automatic Protection Function	Preventing overheating, overcurrent and short-circuiting



<https://www.rfidtag.com>

E-mail : sales@rfidtag.com Phone Number: +86-131-3958-0585
Singapore Office : 10 Science Park Road #03-17A, The Alpha, Singapore Science Park, Singapore 117684
Shenzhen Office : 33-408, Qianhai SZ-HK Fund Town, Nanshan, Shenzhen, China 518052
Shenzhen Factory : Q5, XingDao Industrial Park, LongGang, Bantian, Shenzhen, China 518129