

ISO/IEC 15693 High Power Desktop HF RFID Reader

AZ-RD212BL



Key Features

Operating Frequency
HF 13.56MHz

Communication Protocol
ISO/IEC 15693

Communication Interface
RS232, USB

Reading Distance
Up to 46 cm

1. Product Overview

The AZ-RD212BL High Power Desktop HF RFID Reader integrates a high-performance M22 reader/writer module and a built-in antenna, delivering stable and efficient tag reading and writing performance. With strong anti-interference capability, it is specially designed for self-service book borrowing and returning machines, library material processing stations, and librarian workstations, helping improve operational efficiency and user experience.

In addition to library applications, the AZ-RD212BL can also be widely used in archive management, jewelry inventory counting, pharmaceutical management, and retail counter checkout. Its reliable performance and versatile design make it an ideal solution for item identification, tracking, and data collection in a wide range of industry scenarios.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZ-RD212BL
Material	Acrylic & aluminum alloy
Dimension	410×300×27 mm
Weight	2.55 kg
Surface Color	Black
Metal-resistant Design	Suitable for embedded installation in metal-surrounded environments with five metal sides
Communication Interface	RS232, USB
RF Power	0.25 to 1.5 W
Maximum Power Consumption	3.5W
Power Supply	12V DC, ≥500mA

2.2 Technical Parameters

Operating Frequency	13.56MHz
Communication Protocol	ISO/IEC 15693
Reading Distance	Up to 46 cm (depending on tag performance)
Supported Tag Chips	Supports chips such as NXP® (ICODE® SLIX / SLIX2), ST®, Fudan®
Tag Reading Speed	Up to 70 tags/second
Fast Anti-collision Processing Algorithm	Supported
RF Idle Shutdown	Supported
Automatic Protection for Abnormal Reader/Writer Module Temperature	Supported
Built-in Temperature Detection	Supported
Remote Firmware Upgrade	Supported
Noise Detection	Environmental interference detection supported
Operating Mode	Host command mode/Active reading mode(buffer mode supported in host command mode, up to 700 UIDs)

2.3 Additional Information

Storage Environment (Non-operating)	+18°C to +28°C, 10% to 95% RH, non-condensing
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