RFID Jewelry Counting Box

AZ-JR01

UHF ISO/IEC 18000-6B/C EPC Class1 Gen2



Key Features

Operating Frequency
UHF 860-960 MHz

Communication Protocol
ISO/IEC 18000-6B/C, EPC Class 1 Gen 2

Identification Speed
100 items/s

Inventory Cycle
3~5 s

Industry
Jewelry and precious metals

Application
Batch stocktaking of tagged jewelry and precious metal items

1. Product Overview

The RFID jewelry counting box is designed for rapid batch inventory of jewelry and precious metal items fitted with compatible UHF RFID tags. Its RFID module enables multiple items to be identified within an enclosed inventory space, helping simplify routine stock counts.

A portable enclosure and shielding design support use across jewelry inventory locations. The device provides a default serial interface and SDK/API development support for integration with an inventory application.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZ-JR01
External Dimensions	400×450×305 mm(L×W×H)
Internal Space	285×418×170 mm(L×W×H)
Weight	6 kg
Housing Material	Sheet metal
Door Opening	Top-opening

2.2 Technical Parameters

Operating Frequency	860-960 MHz
Communication Protocol	ISO/IEC 18000-6B/C, EPC Class 1 Gen 2
Identification Speed	100 items/s
Inventory Cycle	3~5 s; depends on tag quantity and density
Recommended Batch Size	200 items; depends on tag performance, item material, quantity and type
Shielding Distance	< 10 cm at faces/corners
Communication Interface	Serial interface
Supply Voltage/Current	DC 12 V/4 A
Device Power Consumption	≤ 30 W

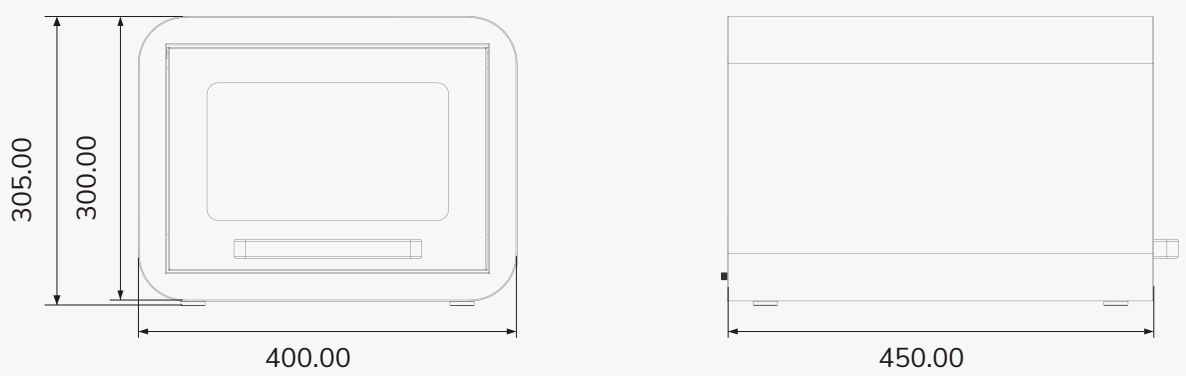
2.3 Development Environment

Integration Support	API
Programming Languages	Java, C#
Development Support	SDK/API development package provided

2.4 Additional Information

Operating Temperature	–20°C~+60°C, 25%-50% RH, non-condensing
Storage Temperature	–25°C~+70°C, 25%-50% RH, non-condensing

3. Dimensions



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