ZS-D05

Desktop UHF RFID Card Issuer

Product Specification



1. Product Overview

The ZS-D05 card issuer is a high-performance desktop card writing device. It is a professional reader/writer specially designed and developed for tag information entry. With excellent read/write performance, it supports both automatic batch writing and single-tag writing, enabling fast bulk reading and writing of tags. In addition, the bundled software can quickly import and export Excel files and intelligently automate data entry, enabling rapid binding and association between tags and data information. This eliminates tedious manual entry and greatly improves working efficiency.

2. Appearance and Dimensions

Product Dimensions	150mm×110mm×19mm
Housing Material	CNC bottom case + Engineering plastic top cover
Net Weight	300g

3. Performance Parameters

Operating Frequency	FCC 902–928 MHz (default); GB 920–925 MHz; ETSI 865–868 MHz
Air Interface Protocol	ISO 18000-6C/6B (default)
RF Output Power	0–27dBm adjustable, in 1dBm steps (24dBm or lower recommended)
Operating Mode	Automatic frequency hopping / Fixed frequency
Forward Modulation	PR-ASK
Decoding Mode	FM0 / Miller 2/4/8 (Miller 4 by default)
Tag Identification Speed	>150 times/s
Multi-Tag Speed	200 tags /3s
Read Distance	0–0.6m (depending on configuration and tag type)
Write Distance	0–0.3m (depending on configuration and tag type)

4. Environmental Characteristics

Operating Temperature	−40 °C to +85 °C
Storage Temperature	−40 °C to +85 °C
Relative Humidity	10%–95% RH (non-condensing)

5. Functional Description

Communication Interface	Type-C (USB-HID); virtual serial port optional
Power Supply Interface	Type-C (5 V power supply)
LED Indicators	POWER (red, power indicator) / PA (green, operation indicator) / SIGNAL (blue, tag reading indicator)

6. Applications

- **Supported development platforms: Windows, Android, Linux, HarmonyOS, etc.**
- **Demo for the card issuer: Batwrite, supporting single-tag and multi-tag card writing**
- **SDK provided: multi-language support including C#, C++, Java, Python, Swift and Android**

7. Packing List

Package Contents	Card issuer × 1, USB cable (USB-A to Type-C) × 1

8. Quality Standards

Applicable Standard	ISO 9001 Quality Management System certification
Appearance Requirements	No damage, no deformation
Warranty Period	12 months (non-human damage)