

# **Processing Module CAS-007C**

## **Technical Manual**

## 1. Overview

CAS-007C coin processing module is the main module for coin processing developed by GRG Intelligent Technology Solution Co., Ltd. after years of accumulation and concentration. It consists of a module bracket and a self-developed hopper, which can realize functions such as coin change and module fault self-diagnosis. When checking out, you can directly take the coin replenishment box, which is convenient and fast. It has high reliability, ease of use and easy maintenance.

## 2. Model

- CAS-007C

## 3. Terminology

bps: communication speed unit, per second;

## 4. Appearance

### 4.1 Overall appearance

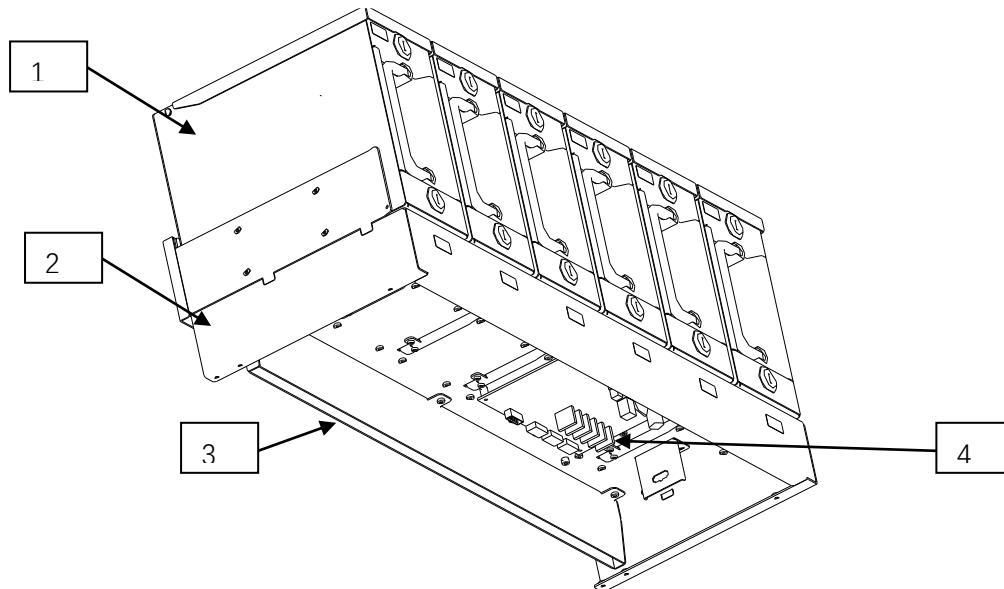


Figure 1

1	Coin dispensing box	3	Coin outlet channel
2	Case base	4	Control panel

## 4.2 Overall dimensions (unit: mm)

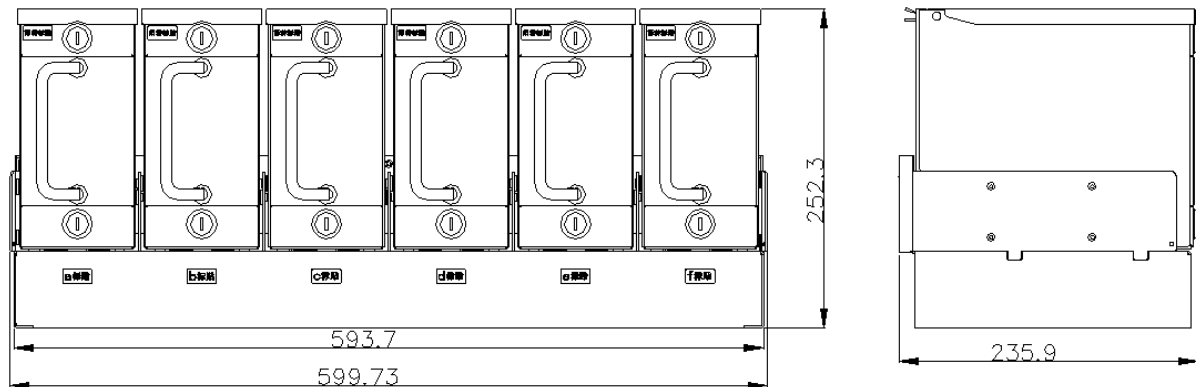


Figure 2

## 5. Performance

- High dispensing speed.
- Six coin replenishment boxes with different currencies are randomly equipped.
- Data would not lost when power off.

## 6. Features

- Common wearing parts are easy to replace on site and maintain;
- Each small component adopts modular design, which is easy to disassemble and assemble;
- Small size reduces the internal space occupied by the whole machine.

## 7. Technical parameters

### 7.1 Electrical Specifications

Table 1

Item		Specifications
Power supply	Operating voltage	24VDC±10%
	Standby power	7.5W
	Power	23W
Communication interface		RS232, 57600bps
Weight		Total weight is about 22Kgs, each dispensing box is 3kgs. (excluding coins)
Dimensions		A: 252.3 (H) mm B: 600 (W) mm C: 236 (D) mm

## 7.2 Performance Specifications

Table 2

Item		Specifications
Coin replenishment box	Quantity	6 cassettes
	Capacity	≥700 pieces 1 yuan coins
	Life	≥1 million pieces
	Change speed	5-8 pieces/second (when not idling or reversing)
	Clearance rate	≥99%
Applicable coin size range		Round coin, diameter range 16 ~ 30mm, thickness range 1.35 ~ 3.8mm
Environmental requirements	Operating temperature	0 °C ~ 55 °C
	Operating humidity	20% ~ 90% RH (Non-condensed matter)
	Temperature change rate	10°C/Hour
	Humidity change rate	10%/Hour

## 7.3 External interface description



figure 3 External interface

External interface part number

Pin Number	Brand	Name	Part number
plug	HRS	10 Rectangular Connectors	DF11-10DEP-2C
pin	HRS	Male pin	DF11-EP2428PCF/2428AWG

Notes: this material is the module External interface.

Table 3

Pin Number	Electrical Characteristics	Remarks
1	+24V	Power supply
2	Power ground	
7	TXD	Serial port
8	GND	
9	RXD	
10	GND	