

RBC2 - the affordable cabinet, with access control. Made in Vietnam.



Picture 1. Powder-coated steel cabinet Picture 2. Stainless steel cabinet

Users authenticate via access card or fingerprint.

The process is displayed on the LED screen.

All components are designed for maximum reliability and long-term operation.

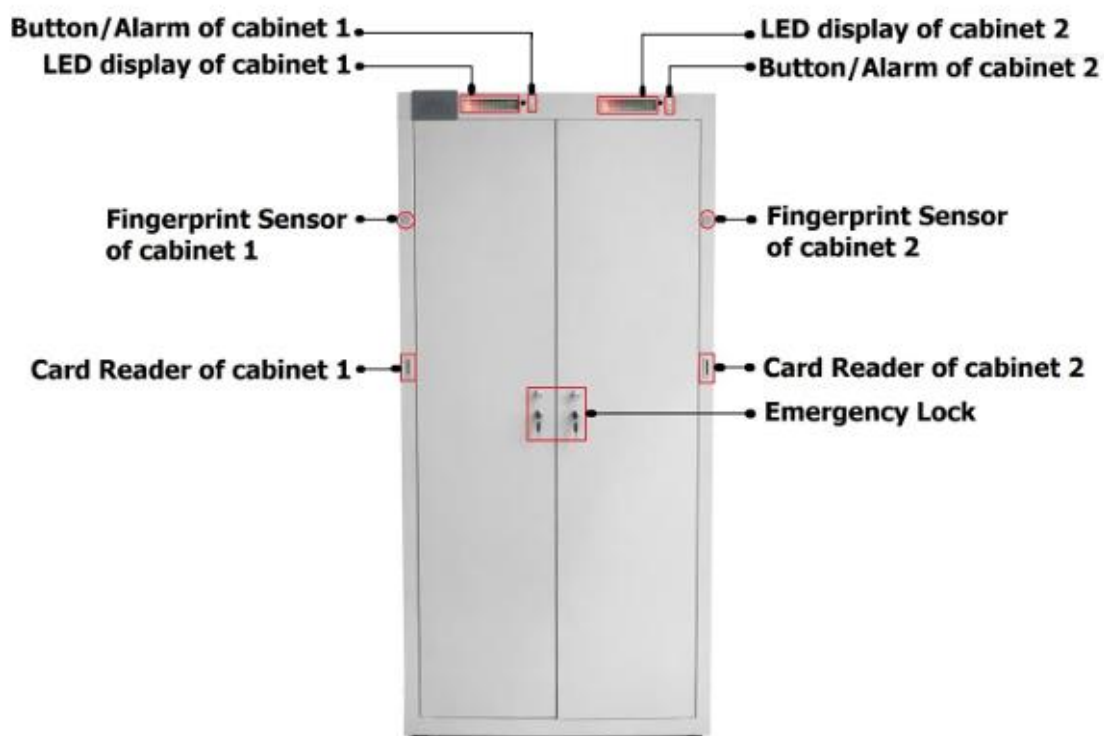
TECHNICAL SPECIFICATIONS TABLE

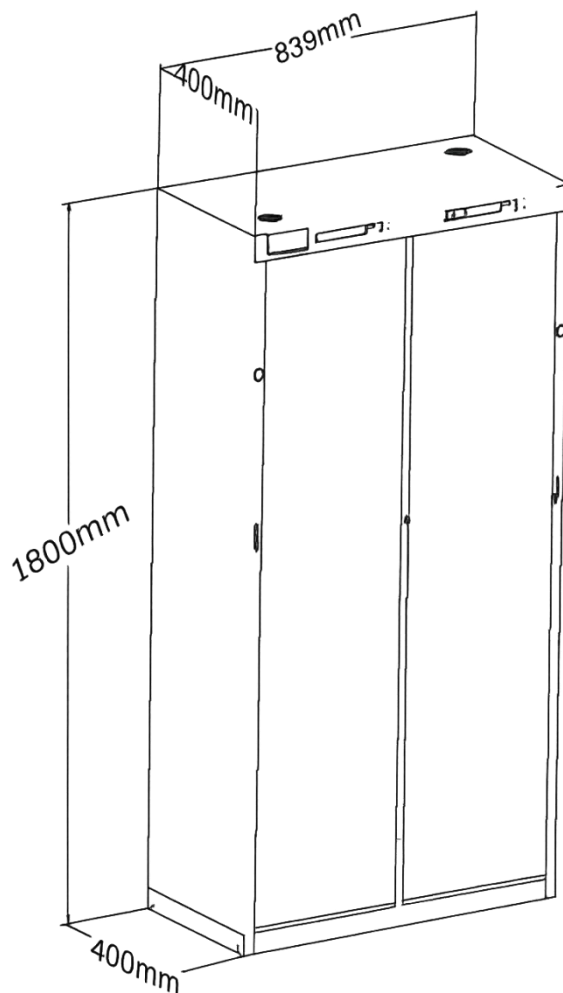
I. OVERVIEW

Components	RBC2 –xxxxxxx(see order codes)
Doors	2 doors
Authentication	RFID Card (ISO/IEC 14443) / Finger sensor
UV-C	Optional (see order codes)
Power Consumption	
Without UV-C	Less than 10W, typically 1W
With UV-C	Maximum power consumption 24W, typically 1W
Dimensions (WxDxH)	839 x 400 x 1800 (mm)
Capacity	Depending on the size of the items. Example for uniform: 1 cabinet can serve up to 50 employees (25 per door) for eachfor work shift.
Material	Powder-coated steel/ Stainless steel
Weight	39 kg
Color	Grey
Installation	Installed indoors
Software management	Revobricks Centralized Management Software, Dolibarr, Snipe-IT, any REST- aware host.

Network connection	LAN/ WIFI
Operating time	Continuous (24/7)
Shelf size	43 x 49 cm
Loading capacity per shelf	30 kg
Cabinet firmware	Bare Metal (CabinetBIOS, Revolution Engineering Vietnam)
Country of origin	Vietnam

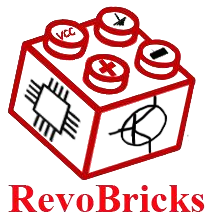
II. COMPONENTS





1. Card reader / Finger Print Sensor





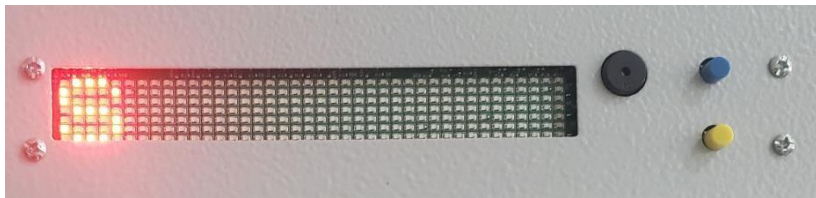
Supports standard ISO/IEC 14443 cards and optional fingerprint authentication.

User names, card IDs, and cabinet access rights are managed via the web-based software.

The card reader has no moving parts, ensuring an almost unlimited service life.

Fingerprint sensor is not available in the EU version.

2. LED Display



Displays error messages (door not closed, card not removed).

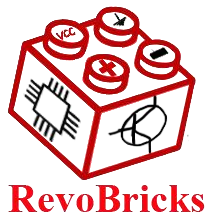
3. Alarm



Alarm: Alerts if the door is left open or the card is not removed

4. Internal shelves.





Modular shelf equipped with tool-free, removable modular shelves and optional hanging bars.

Configurable from 1 to 6 shelves (4 shelves typical for uniforms) Made of smooth acrylic glass for easy cleaning.

5. Emergency Lock



Mechanical emergency lock allows door opening during power failure or system malfunction.

Keys must be held by an administrator.

Warning: Transactions cannot be logged without power. Manual recording is required.

Use of a UPS (uninterruptible power supply) is strongly recommended.

6. Cabinet Group

Cabinet grouping Up to 127 cabinets can be connected in a daisy-chain, sharing one network connection and one receipt printer.

- Single IP address per group
- Supports DHCP and static IP

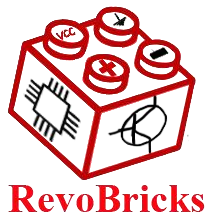
Typical configuration:

- 1 master cabinet (RBC2-0111_01:)
- Up to 20 basic cabinets (RBC2-0100_00)

7. Certifications

FCC: RAIN RFID module CTC20240911002

CE: RAIN RFID module, EU-type examination certificate No. 1622-RED-240560



Vietnam: Certification exempted under Circular 02/2024/TT-BTTTT, Article 5

HS code:

The 8 digit HS code is 8471 8000.

The 10 digit HS code is 8471 8000 00.

Software & Integration

All transactions are reported via REST API.

Default operation with RevoBricks Smart Cabinet web software.

- Real-time system integration
- CSV import/export via Windows shares or FTP
- Compatible with Dolibarr, Snipe-IT, or any REST-enabled system

8. CabinetBIOS

The cabinet controller runs CabinetBIOS, a bare-metal firmware by Revolution Engineering Vietnam (REV). Stored in flash memory, it requires no frequent updates.

Features:

- Native support for RFID, card reader, fingerprint sensor, LED display, buzzer, door locks, Ethernet, Wi-Fi, CAN bus.
- REST APIs for ERP, asset management, and analytics systems .
- CSV data import/export for offline and legacy system integration .

III. ORDER CODES

1. Order codes RBC1-ABCDEFG

A: 0 = low carbon steel and powder coated, 1 = stainless steel

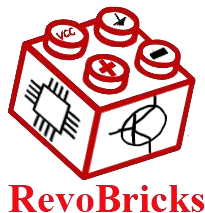
B: 0 = no card reader, 1 = card reader included

C: 0 = no Ethernet, 1 = Ethernet included

D: 0 = no receipt printer, 1= includes receipt printer

E: 0 =26dBm RAIN RFID reader, 1 =33dBm RAIN RFID reader

(By default, the RBC2 is not equipped with a RAIN RFID reader.)



F: 0 =no UV-Clights, 1 = includes UV-C lights

(By default, the RBC2 is not equipped with UVC light)

G: 0 =no touchscreen, 1 = includes touchscreen

Example: RBC2-0000_00: Cabinet basic, low carbon steel and powder coated, no card reader, no Ethernet, no receipt printer, no RAIN RFID reader, no UV-C lights, no touchscreen.

Patent Protection German and international patents protect this cabinet.
The patent holder is Michael Schmid, CTO and co-founder of RevoBricks.

Version History

Version	Description / Changes	Creator	Time
1.0	Original documents	Queenie	27.02.2026
1.1	Reviewed and updated	Queenie	28.02.2026
1.2	Updated HS code	Queenie	05.06.2026
1.3	Update Capacity Update HS code	Queenie	19.06.2026