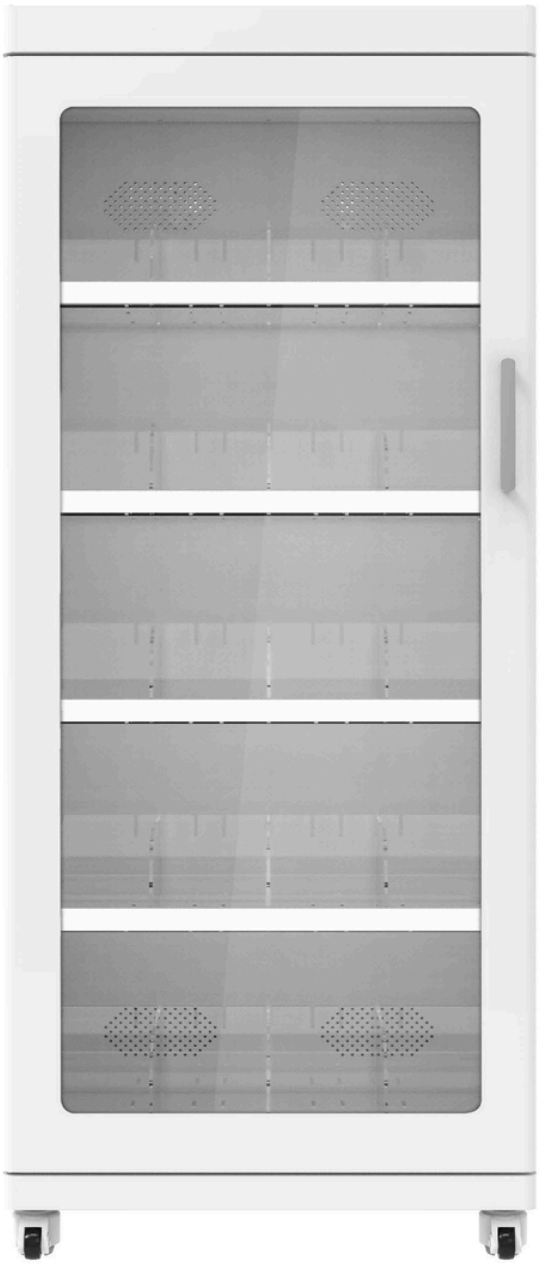
Technology Solutions for Retail

UHF RFID Medical Consumables Cabinet

GY1B



Main Cabinet



Secondary Cabinet

GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
glretail.us

UHF RFID medical consumables cabinets are designed for operating rooms and interventional suites. They provide real-time traceability and efficient management of every consumable throughout its life cycle. By streamlining the workflow, they drastically cut the time spent on inventories, records and checks, freeing clinical staff to return to direct patient care.

Application scenarios:

Operating rooms · Interventional suites · Laboratories · Hospital consumables centers · Smart pharmacies.

Technical specifications

Parameter	Description
Model	Main Cabinet / Secondary Cabinet
Display (main)	22" capacitive multi-touch, 1920×1080, 16:9
Operating system	Windows 10 / Android
Industrial configuration	Intel i5 4th gen. 8 GB + 256 GB (dual network port) / RK3399 4 GB + 32 GB
Staff authorization	Main: card + fingerprint Secondary: controlled by the main cabinet
Identification method	UHF RFID
Internal configuration	5 levels of fixed trays with adjustable dividers or 1 level of removable hanging rack (24 hooks)
Door	4 mm tempered glass with RFID shielding
Read performance	99.9% accuracy · No cross-reading · Max. distance ≤ 3 cm
Max. number of tags	≤ 300 per cabinet
Inventory time	< 5 seconds
Main-secondary connection	Network port (1 network + 1 power per cabinet)

GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
glretail.us

Technical features

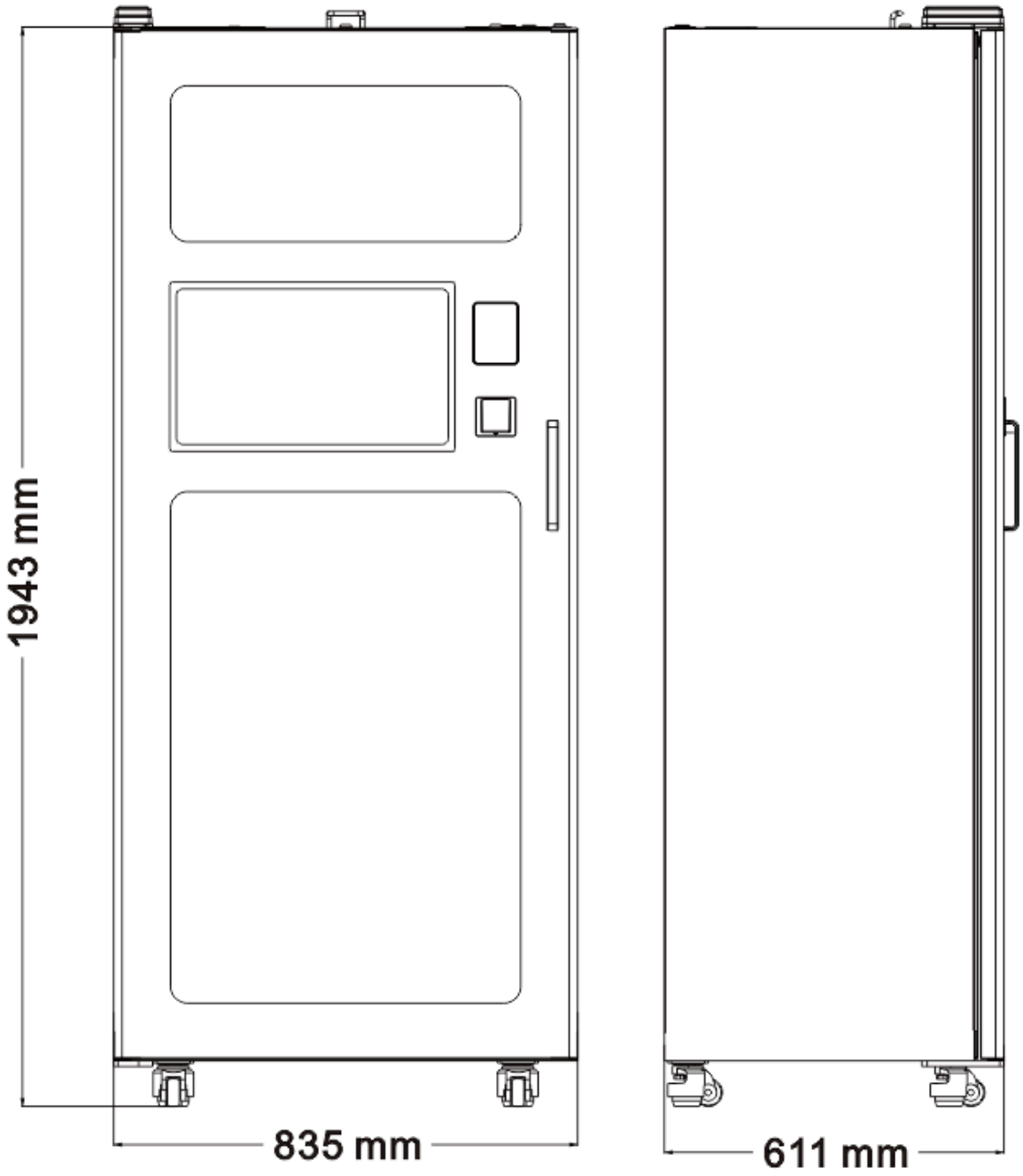
1. UHF RFID technology automatically detects consumables going in and out.
2. Frees medical staff from administrative tasks.
3. True inventory management with full traceability (one code per item).
4. Smart design that enhances the department's technology image.
5. Typical capacity: 250-500 consumables.

Physical and electrical specifications

Parameter	Description
Power	AC 220 V / 50 Hz
Consumption	Main: ≤ 150 W • Secondary: ≤ 40 W
Chassis material	1.2 mm carbon steel sheet
External dimensions	835 mm (L) × 611 mm (W) × 1943 mm (H)
Internal dimensions	727 mm (L) × 531 mm (W) × 1680 mm (H)
Usable capacity	650 liters
Mobility	4 heavy-duty wheels
Emergency opening	Key at the top
Expansion options	Surveillance cameras
Development	SDK/API kit available
Operating temperature	-20 °C ~ +60 °C
Storage temperature	-25 °C ~ +70 °C
Storage humidity	25 % ~ 50 %

GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
glretail.us

Dimensions



GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
glretail.us