LFM-TD02
UHF RFID Inventory Channel Machine

LFM-TD02 UHF RFID inventory channel machine is mainly used for rapid and large-volume reading and identification management of electricity, hotels, warehousing clothing and other products when they are put into storage or shipped in batches. The equipment uses UHF RFID radio frequency technology to realize identification with RFID tags bound to items, which greatly saves labor costs, shortens the time for products to be put in and out of the warehouse, and improves work efficiency.

The UHF RFID inventory channel machine complies with the ISO18000-6C (EPC C1G2) protocol. It has a simple and elegant appearance, and its large size can meet a variety of cage car types and shelf carts. The equipment is a double-door style, which can perform closed reading of items putting in and out of the warehouse to prevent cross-reading of surrounding tags. The equipment has stable quality and reliable performance, supports multi-tag reading, and can support more than 500 items in batches (depending on the size of the items). It is powered by conventional 220V, supports network port communication, and can expand WiFi and 4G.

Industry Application: The tunnel is mainly used for SKU identification, such as warehouse management of fashion, leather goods and luggage, alcohol, electric power, product inventory etc.
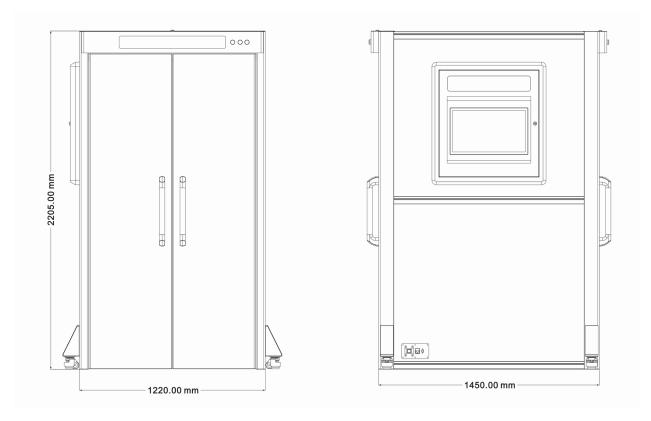
Product Features

- 21.5-inch industrial touch screen all-in-one machine, equipped with Win10 system as standard, and there is Android system for option.

- The USB interface facilitates importing and copying corresponding data, or connecting to an external keyboard, etc.

- Both front and rear doors are equipped with indicator lights to indicate reading status.

- Equipped with a buzzer to send status reminders when it is inconvenient for the user to see the indicator light.

- Anti-collision and deceleration devices are installed on the sides of the tunnel machine to prevent the cart from colliding with the antenna and the inner wall of the tunnel machine when entering.

- Excellent shielding performance: the channel machine signal distance is within 10cm, preventing tag cross-reading.

- Using powerful UHF modules, it can quickly identify products in batches of more than 1,000pcs.

- Optional network port, wifi or 4G for external communication, which can be used flexibly according to different usage scenarios.

- 4 ultra-quiet casters with adjustable height. When raising the height, it is convenient to carry and fix.

- It adopts a hidden design, beautiful appearance, no metal screws on the surface, high degree of equipment integration which improved product quality.

- Modular design, easy maintenance.

Product Specifications

Main Specifications	
Model No.	LFM-TD02
Performance Specifications	
Operating System	Windows (Optional Android)
Industrial Control Configuration	I5/4G/128GB SSD
Identification Method	Radio Frequency Identification (UHF RFID)
Recognition Speed	100pcs/s
UHF RFID	
Frequency Range	840MHz ~ 960MHz
Communication Protocol	ISO18000-6C/EPC C1 G2、ISO18000-6B、GB/T29768-2013 (Expandable)
RFID Frequency Mode	Fixed Frequency / Frequency Hopping
Reader Output Power	33dbm±1dBm
Number of Tag Reading	≥ 500pcs

Reading Speed	3~5 seconds
Reading Mode	Motionless
Working Mode	Loop/Trigger
Shielding Distance	Positive corners and side corners are less than 10cm
Physical Parameters	
Material	1.2mm Thick carbon steel plate
Screen	21.5-inch industrial capacitive display, Resolution 1920*1080
Inner Size	1000* 1300* 1990 mm (L*D*H) (Adjustable size)
External Dimensions	1220*1450*2205mm (L*D*H) (Adjustable size)
Power Supply	
Working Power	Maximum Power:200W
Operating Voltage	AC 220V, 50Hz
Working Environment Parameters	
Working/Storage Temperature	-20℃ ~ 60℃

Product Dimension