RFID Tunnel Machine
AI-RFID-TUNNEL-V2

Description

The UHF inventory channel machine is mainly used for fast and large-volume reading and identification management of power meters, hotel linens, warehousing clothing and other products when they are put into storage or shipped in batches. The equipment uses ultra-high frequency RFID radio frequency technology to realize identification with RFID tags bound to items, which greatly saves labor costs, shortens the time for entering and exiting the warehouse, and improves work efficiency.

The UHF inventory channel machine complies with the ISO18000-6C (EPC C1G2) protocol. It has a simple and elegant appearance and a large size that 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 entering and exiting 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 volume of the items). It is powered by conventional 220V, supports network port communication, and can expand WiFi and 4G.

Industry applications: The main market is used in item-level item identification, such as inbound and outbound management, product inventory, etc. in industries such as clothing, leather goods and bags, alcohol, and electricity.

Parameters

Main Specifications	
Product Model	AI-RFID-TUNNEL-V2
Performance Parameters	
Operating System	Windows (optional Android)
Industrial Control Configuration	I5/8G/128GB SSD
Identification Method	Radio Frequency Identification (UHF RFID)
Recognition Speed	400pcs/s
UHF RFID	
Frequency Range	840MHz-960MHz
RF Protocol Standards	ISO18000-6C/EPC C1 G2, ISO18000-6B, GB/T29768-2013 (expandable)
RFID Frequency Pattern	Fixed frequency/frequency hopping
Reader Output Power	33dbm±1dBm
Read/Write Label Count	≥500 pieces
Read Rate	3~5s
Read Mode	Still
Operating Mode	loop/trigger
Shielding Distance	Positive angles and side corners are less than 10cm
Physical Parameters	
Material	1.2mm thick carbon steel plate
Touch Screen Specifications	21.5-inch industrial capacitive display, resolution 1920:1680, screen ratio 16:9
Internal Space (L*D*H)	1000mm*1300mm*1990mm (size adjustable)
External Dimensions (L*D*H)	1220mm*1450mm*2200mm (size adjustable)
Power Supply	
Working Power	Maximum power 300W
Operating Voltage	AC 220V, 50Hz
Working Environment Parameters	
Storage Temperature	-20℃ — 60℃
Operating Temperature	-20℃ — 60℃