RFID Tunnel Machine
AI-RFID-TUNNEL-V3

Description

AI-RFID-TUNNEL-V3 ultra-high frequency intelligent warehousing terminal 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 warehousing 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 device is a cart 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 300 items in batches (depending on the size of the items). It is powered by conventional 220V, supports network port communication, and can expand WiFi.

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

Parameters

Main Specifications	
Product Model	AI-RFID-TUNNEL-V3
Performance Parameters	
Operating System	Windows (optional Android)
Industrial Control Configuration	I5/8G/128GB SSD
Identification Method	Radio Frequency Identification (UHF RFID)
Recognition Speed	100pcs/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	≥300 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	14-inch industrial capacitive display, resolution 1920:1680
Internal Space (L*D*H)	640mm*700mm*1400mm
External Dimensions (L*D*H)	760mm*1014mm*1858mm
Power Supply	
Working Power	Maximum power 100W
Operating Voltage	AC 220V, 50Hz
Working Environment Parameters	
Storage Temperature	-20℃ — 60℃
Operating Temperature	-20℃ — 60℃