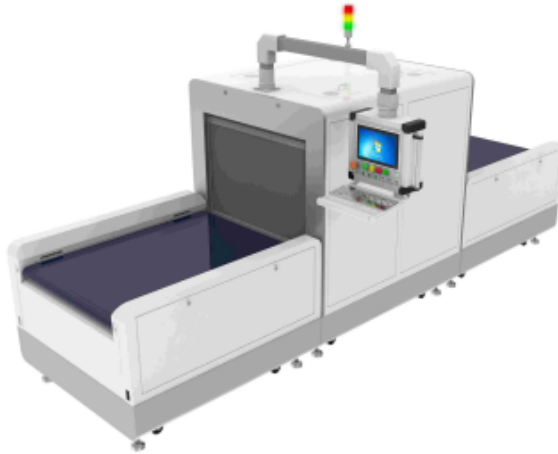


RFID Tunnel Channel Machine

AI-RFID-TUNNEL-V4



Description

AI-RFID-TUNNEL-V4 tunnel machine is a machine with radio frequency identification technology as the core, combined with mechanical design, automation, multiple sensors, electromagnetic shielding and other methods, to solve the traditional manual problems in product inventory, incoming and outgoing goods review and other operations. The counting method has high error rate and low efficiency. At the same time, when the tunnel machine is working, a list is instantly generated on the display, and data verification is performed to provide corresponding prompts and alarms to facilitate management personnel's verification, which greatly saves labor costs and improves work efficiency.

Industrial application: The main market is used in single-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-V4
Performance Parameters	
Operating System	Windows (optional Android)
Industrial Control Configuration	I5/8G/128GB SSD
Identification Method	Radio Frequency Identification (UHF RFID)
Recognition Speed	200pcs/s
Transmission Speed	Default 20m/min, adjustable up to 30m/min
Transmission Load-Bearing	80kg
Reading Efficiency	6-10 boxes/minute
Automatic Conveyor Line	Three sections can be controlled independently, and the speed can be adjusted in sections
Door Opening Speed	1.2 seconds
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	≥400 pieces
Read Rate	within 3 seconds
Read Mode	still/movement
Operating Mode	loop/trigger
Physical Parameters	
Overall Machine Size	1025mm(W)*1554mm(H)*3965mm(D)
Screen	10.1-inch capacitive touch screen
Material	1.2mm thick carbon steel plate
Internal Space	780mm(W)*580mm(H)*1365mm(D)
Front/Rear Conveyor Line	1025mm(W)*747mm(H)*1300mm(D)
Maximum Box Size	785mm(L)*592mm(W)*1065mm(H)

Power Supply	
Power Input	AC220V
Working Power	Maximum power 600W
Working Environment	
Storage Temperature	-20°C — 60°C
Operating Temperature	-20°C — 60°C

