

RFID TUNNEL READER

The UHF RFID Tunnel is a high-speed, reliable solution for accurate bulk item tracking and inventory management. Ideal for laundries, distribution centers, and manufacturing units, it reads hundreds of RFID-tagged items in seconds delivering real-time visibility, reducing manual effort, and boosting productivity.

Features & Benefits :

- Modular design
- Belt conveyor with variable speed
- RF shielding materials on the tunnel
- Capable of reading multiple tags products
- Powered with high performance UHF readers & antennas
- Integrated electronics module for wiring, connectors & cabling
- Light stack, Alarm, buzzer & display
- Power over Ethernet or Wi-Fi communication



Industries:



GARMENTS



PHARMACEUTICALS



LOGISTICS



MANUFACTURING

Main Specifications

Model Code	SRK - 5101
Air Interface Protocol	EPC Global Class1 Gen2/ISO 18000-6C
RFID Frequency	800MHz ~ 900MHz, Channel Spacing 500kHz
Reader	IMPINZ R700
Reader Output Power	1~30±1dBm
Number of Tag Reading	349+pcs
Reading Efficiency	3~5 Seconds
Reading Mode	Motionless
Operating Mode	Interval T Cycle Continuous Operation External Trigger
Screen	15.6-inch Resistive Touch Screen (Embedded)
Programmable Controller	Domestic
Electric Control System	With Domestic PLC
Industrial Computer	Core i3
Antenna	4 Groups of 8dbi Antennas
electronic weighing scale	electronic weighing scale upto 10 kg
Opening Speed	1~2 Seconds
Efficiency	Manual

Physical Environment

Overall Size (mm)	1326 (length) × 1200 (width) × 1600 (height)
Internal Size (mm)	1130 (length) × 980 (width) × 1250 (height)
Maximum Passable Size of Box (mm)	1100 (length) × 950 (width) × 1200 (height)
Total Weight	Approx 250KG
Operating Temperature	-20°C~ 60°C
Storage Temperature	-10°C~60°C
Operating Humidity	20 ~95% (Non-condensing)
Work Voltage	220VAC (±10%) 50±3HZ
Power	350W
Enclosure Material	Spray-paint Carbon Steel
Shielding Performance	5~10CM