

RFID Tunnel CER910

Century RFID Tunnel (CER910) is a fully automated RFID scanning system built for high-speed, high-density tag reading in warehouse and logistics operations. It works independently or seamlessly integrates with automated conveyor systems for greater flexibility.

With intelligent automation, the CER910 boosts efficiency, cuts labor costs, and optimizes warehouse performance for a smarter, faster logistics future.

Features

- ▶ Anti-EMI Design - Improves RFID reading accuracy
- ▶ Motion Mode - Enhances tag reading performance on the move
- ▶ Three-Zone Control - Easily integrates with sorting and weighing systems
- ▶ Precision Servo Motor - Ensures reliable, high-frequency operation



Physical Specifications

Internal Size (mm)	1200*650*650
External Size (mm)	Total: 2722*890*1342 Middle section: 1322*890*1342 Front & Rear Section: 700*800*580
Weight (kg)	Approximately 420
Ground Clearance (mm)	500
Enclosure Material	Powder-coated sheet metal
Operating Voltage	220V
Conveyor Belt	Chain-plate conveyor
Scanning Mode	Static + Dynamic
Operating Temperature	-10~60°C
Operating Humidity	5%~95% RH, non-condensing
Operating Efficiency	8~10 cartons per minute

Technical Specifications

Operating System	Windows 7 / Windows 10
CPU	Intel i5 4300
Memory / Storage	8G+256G
Display	15.6" screen, 1920×1080 resolution, 16:9 aspect ratio
Communication Interfaces	RS232 / TCP IP / USB
Electrical Control System	Domestic IO controller (optional Siemens)
Photoelectric Sensor	Domestic (optional Siemens)
Rolling Door System	Stepper / Servo
Speed	50 m/min
Load Capacity	60 kg
Power Consumption	Max 650 W, Average 150~200 W

RFID Specifications

RFID Protocol	EPC global Class1 Gen 2 / ISO 18000-6C
RFID Module	Impinj E710 (optional Impinj R420)
Operating Frequency	840~960 MHz (adjustable per country/region requirements)
Operating Mode	Wideband frequency hopping (FHSS) / Fixed frequency
Output Power	Max. 33 dBm
Antenna Interface	TNC*4
Antenna	8 dBi circular polarization*4
Electromagnetic Shielding Distance	< 5cm
RFID Reading Capacity	200 pcs/box (E710 module), 600 pcs/box (R420 module)
Software Support	SDK and secondary development supported

Optional Specifications

Weighing	Domestic weighing module
Barcode	Carton label scanning
Sorting	Electric lifting transfer / Pneumatic push rod
Production Line Integration	Supported