Technology Solutions for Retail

UHF RFID Portal

CK-T7-(P)



The CK-T7-(P) is a UHF RFID portal equipped with an Impinj R2000 chip and compatible with the ISO 18000-6C (EPC C1G2) protocol. It features an alarm light and buzzer, plus a built-in infrared sensor that can trigger tag reading or count people at entrances and exits. Unlike traditional EAS systems, the RFID portal identifies each tagged item individually, significantly improving inventory management and loss prevention. The CK-T7-(P) is also taller than conventional RFID readers, making it especially suited to counting large volumes of products.

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Features

- Impinj R2000 chip for maximum tag detection capability
- Built-in infrared sensor to trigger reading or detect entry and exit
- Visual and audible alarm
- Optional capacitive touchscreen with Android or Windows
- Supports RSSI, antenna detection and online updates
- 2.1 m height
- EAS functionality in offline mode

Technical specifications

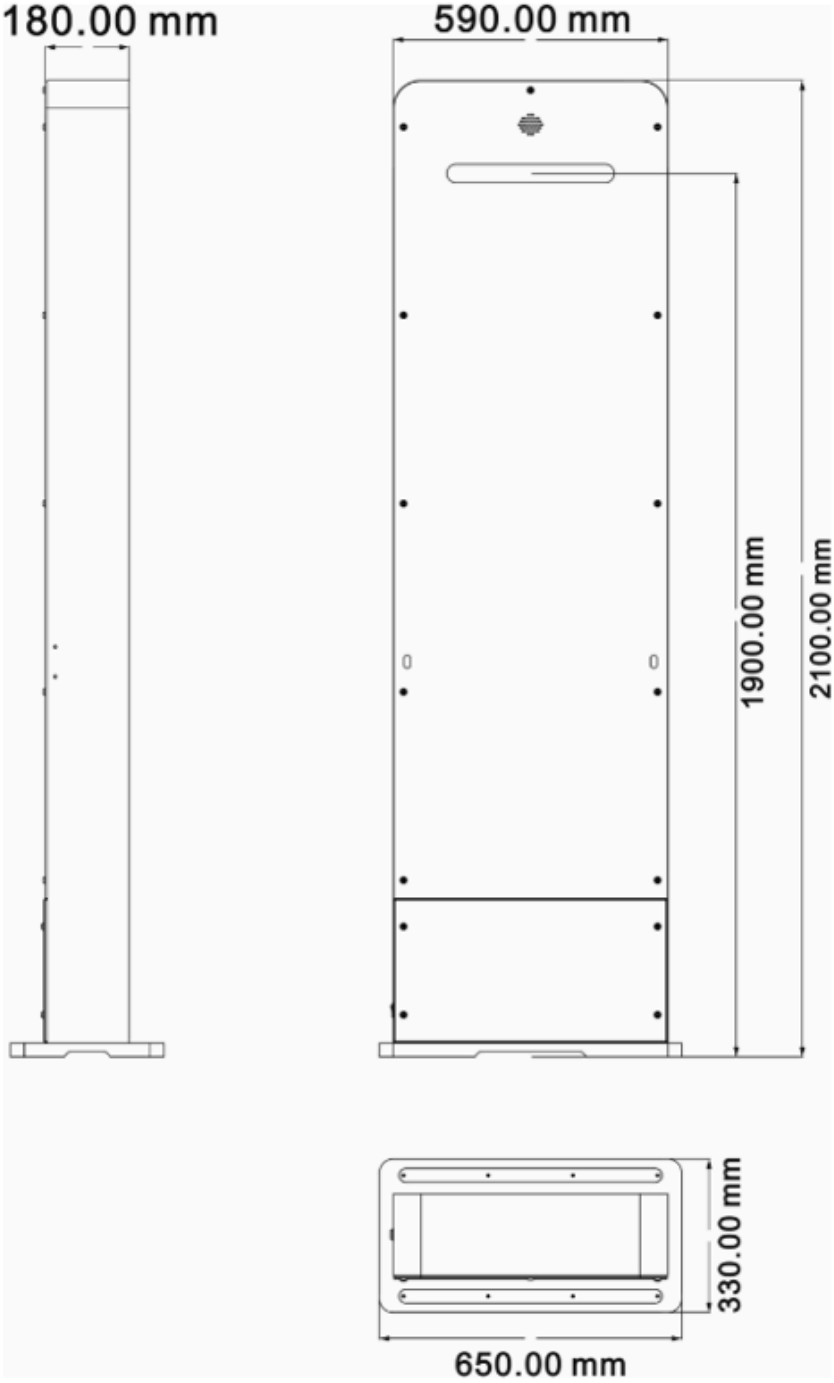
Performance Specifications	
Identification technology	RFID (UHF)
Functions	RFID read/write / visual and audible alarm / infrared sensor / entry and exit logging / people counting
Read range	0 – 600 mm (adjustable)
Physical Specifications	
Dimensions	2100 × 650 × 330 mm (H × W × D)
Display	14” touchscreen (optional)
Resolution	1920 × 1080
Aspect ratio	16:9
Communication interface	Ethernet
Installation method	Floor-mounted with screws

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RFID UHF	
Frequency range	840 MHz – 960 MHz
Protocol	ISO 18000-6C (EPC C1G2)
RFID chip	Impinj R2000
Optional functions	
Operating system	Windows or Android
Display	21.5” touchscreen (optional)
Mini PC	i5, 4GB RAM + 128GB (RK3399, 4GB + 16GB)
Power	
Power input	AC 220V, 50Hz
Development support	
SDK	Free SDK
Development languages	Java, C#
Operating conditions	
Operating temperature	0°C to 60°C

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Dimensions



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