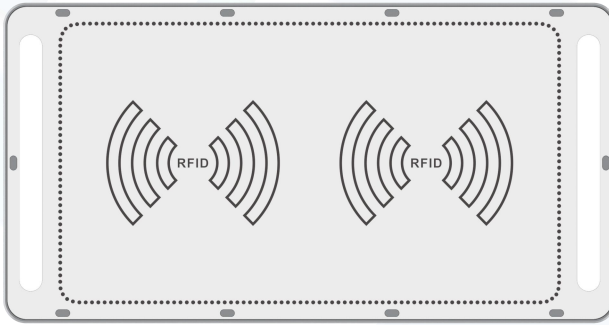


CK-T1E

Phased Array RFID Gate System



The CK-T1E UHF Phased Array Smart Gate leverages advanced phased array antenna technology and AI algorithms to monitor retail merchandise in real time. Designed for high-traffic retail environments, it automatically tracks RFID-tagged items, filters static labels, and triggers alerts for unauthorized exits. With 120° coverage and 5m detection range, it ensures seamless anti-theft protection while integrating with store management systems.

- Group reading ability is strong, reading distance up to 5m, reading speed 0.3s
- RFID technology 840~960MHz optional, support protocol extension
- Multiple interfaces: support RJ45, RS232, WiFi, 4G, Alarm input etc
- Integrated audible and visual alarm, available online/offline EAS alarm
- 120° Phased Array Tracking with 9 Adaptive Beams
- Product appearance, function, protocols etc support customization

● Specification

Model	CK-T1E
 RF SPECIFICATION	
Identification Method	UHF
RF Chip	Impinj R2000
Frequency Range	840MHz~960MHz adjustable
Protocol	PC C1G2, ISO 18000-6B, ISO 18000-6C
Frequency Band (Optional)	840MHz~960MHz (Adjustable)
Read Distance	0-5M
Function	RFID Read function, Multiple label identification, Label data filtering, Quantity statistics, Spatially induced triggering, RSSI perception, EAS alarm
 HARDWARE SPECIFICATION	
RF Output Power (port)	33dBm±1dBm (MAX)
Tag recognition speed	>500 times/second
Beam Scanning Interval	5°
Coverage Angle	90° (Horizontal) / 120° (Vertical)
Beamforming Time	5 μs
Alarm Type	Sound & Light
 BASIC SPECIFICATION	
Material	Carbon steel plate
Power Supply	DC12V/5A
Humidity	5%~95% (Non-Condensing)
Operat Temperature	-20℃~60℃
Size	350mm×670mm×168mm

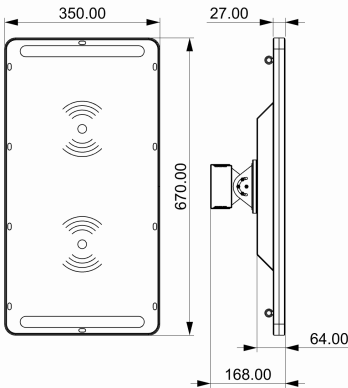
● Related Model

CK-T1A

● Common Solution

Smart Library, Archival Room, Tool Room, Supermarket, etc.

● Dimension



Unit : mm (inch)

● Accessory

serial number	name	units	quantity
1	power supply	pcs	1



RFID IoT
Application



Need Advice



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