Focused on the R&D and manufacturing of RFID smart terminal devices

Dedicated R&D, meticulous manufacturing, and attentive service

RFID Gate Specification Sheet (Customizable)



ZS-T10B

一、 Specifications

Product Model	ZS-T10B
Operating system	Windows/Android
Industrial Control Configuration	N29,4G+64G/RK3399, 4G+32G
Identification Method	UHF RFID 840-960MHz
Tag Read/Write	Bulk Read/Bulk Write
Identification Power	0–33dBm (adjustable in ±1dBm increments)
Number of Antennas	4 sets of narrow-beam antennas; the antenna beam angle in the direction of the turnstile passageway is 45° or less.
Number of Tags Identified	Electronic tags ≤ 100 (depends on tag performance and orientation, the material and quantity of the items being managed, and the speed of movement)
Reading Distance and Range	≥ 10m (adjustable), front-to-back range ≤ 90cm (adjustable)
Triggering Function	Triggering Function: 2 sets of infrared triggers, capable of detecting entry/exit and triggering the operation of the turnstile.
Identification	Supports facial recognition access control, library card identification, QR code scanning, and ID card identification (optional).
Optional Triggering Mechanisms	Top-mounted spatial sensor (with customizable trigger range; serves to initiate gate operation in advance, thereby improving tag recognition rates)
Anti-Collision (Anti-Interference)	Supports proprietary AI algorithms developed by Sike.
Audible and Visual Alarms	Features a built-in buzzer for audible alarms and an integrated red-and-green LED strip for visual alarms.
Passageway Width	Detection range: 60–90 cm (default setting is 75 cm).

Gate Stability	Supports reporting of the gate's operational status, with automatic alerts for internal hardware component failures;
Tag Legitimacy Filtering	Supports up to 6 sets of EPC filtering rules;
Data Resumption After Network Interruption	Supports data transmission resumption after network disconnection.
Data Management	Supports synchronization with backend data, with a storage capacity ranging from 3,000 to 70,000 records; includes an alert function for data mismatches. Standard configuration: control board with 3,000-record storage capacity; optional configuration: control board with 70,000-record storage capacity.
Communication Protocols	Supports multiple communication protocols simultaneously, including TCP, HTTP, and MQTT.
Cloud-Based Management	With support for the MQTT protocol, users can achieve unified cloud-based management of multiple turnstiles, monitor their operational status, and remotely configure turnstile parameters.
Communication Methods	Network communication
Communication Interfaces	RJ45 (Wi-Fi optional)
Power Supply Requirements	DC 220V, 50Hz
Enclosure Material	Aluminum profile frame, ABS
Overall Dimensions	1600mm(L)*1220mm(W)*1410mm (H)
Operating Temperature	-20℃ ~60℃
Storage Temperature	-40℃ ~70℃
Operating Humidity	25%~50%

二、Product Dimensions



