



DTB-G20U

UHF RFID Channel Doorl



1.Product Introduction

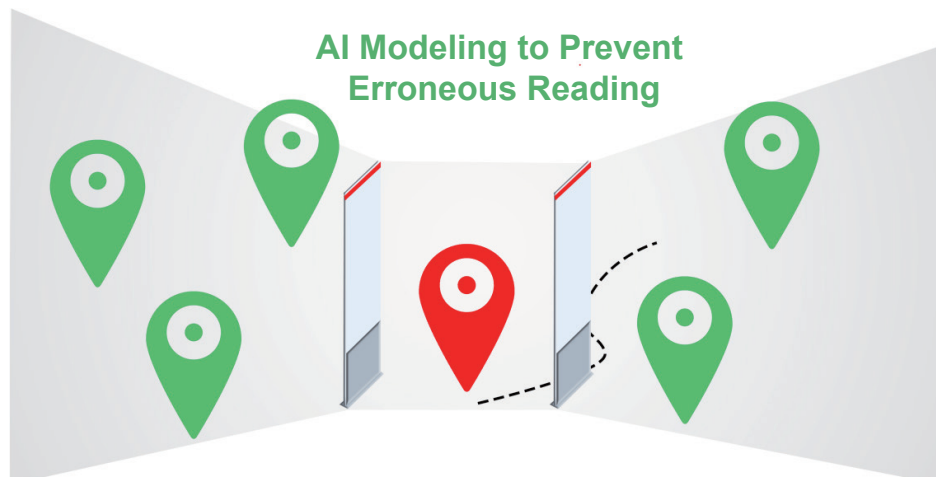
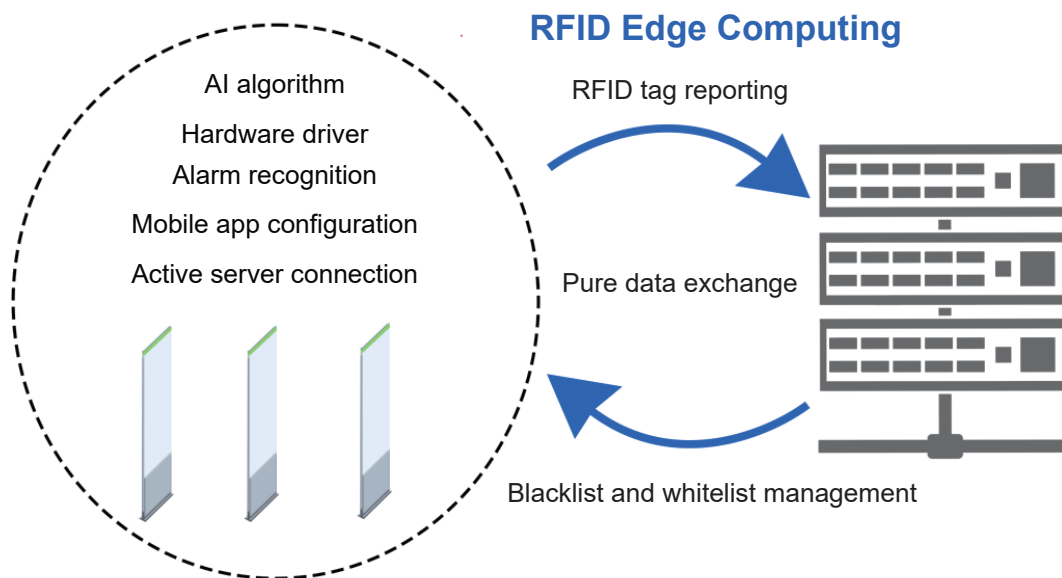
1.1 Function introduction:

This RFID smart access control system is a device that performs anti-theft management on assets (books, archives, clothing or other high-value assets) that are attached with RFID tags that comply with the EPC C1 G2 (ISO18000-6C) protocol.

1.2 Product Advantages:

- Slim and elegant
- Direct mobile app connection (single channel)
- Pure data connection, no hardware driver development required
- Integrated AI eliminates misinterpretations
- People counting
- Optional display with built-in UI

1.3 Pain Point Optimization:



2.Main Functions

- Supports EPC C1 G2 (ISO18000-6C) protocols;
- Maximum output power supports 33dBm, with adjustable power levels (8dBm - 33dBm);
- Anti-theft detection for tagged assets, preventing the unauthorized removal of restricted items from controlled areas;
- Equipped with an audible and visual alarm with adjustable volume;
- Supports online, offline, and semi-offline modes; supports people counting.

3.Main Parameters

RFID Performance Parameters	
Frequency range	902MHz-928MHz (CN & FCC)
RFID protocol standard	ISO 18000-6C (EPC C1 G2)
RFID chip	Fudan Microchip (Optional E710 chip)
Misreading algorithm	Yes
Antenna gain	10.5dBi circularly polarized narrow beam antenna
Operating frequency	902-928MHz
VSWR	≤1.3
Power consumption	≤30W
Physical Parameters	
Overall dimensions (h*w*d)	1500mm*414mm*89mm
Weight	30kg (main door 16kg, auxiliary door 14kg)
Mounting method	Expansion bolts, base (optional)
Recommended aisle width	0.8-2.5m (increased width slightly reduces recognition rate)
External interfaces	RJ45 network port, Wi-Fi, USB
Power Supply	
Power Input	AC90~220V (compatible with various voltage standards)
Operating System	
System	Android 11.0



Screen (Optional)	
Size	Standard 10.1-inch (no screen or touchscreen available)
Resolution	1920*1080
Operating Environment	
Operating Temperature	-10~50°C
Operating Humidity	10%RH~90%RH

4.Product Appearance

