



RFG7228

RFID People & Asset Tracking Gate

Accurate Tracking Across Controlled Zones

RFG7228 is an RFID gate system designed for precise detection of people and tagged assets moving through controlled areas, enabling reliable tracking and monitoring for a wide range of applications.



Impinj Indy
R2000 Chipset



Multi-antenna
High Coverage



Infrared Sensor
Detection



LED Alarm
Indication



Multi-tag
Reading Capability



Direct Connection
to FlowAgent

FlowAgent

Seamless Integration

- Direct connection to FlowAgent
- No firmware modification required
- Enables real-time event streaming and asset / people tracking

FEATURES

- Impinj Indy R2000 chipset inside brings top-notch read performance
- Aluminum casting housing applies to industrial / business scenarios
- Various communication / software interfaces match various applications
- Humanized design for easy assembling, working visual and audible
- Infrared / ultrasonic wave, anti-theft alarm extensible
- Excellent communication protocol architecture supports faster data processing algorithm
- Special applications customized interfaces / data transferring expandable
- Seamlessly compatible with RFID middleware for rapid implementaable
- Widely used in warehousing, archives, bank, fashion retail shop, and many others
- Directly connectable to FlowAgent for rapid deployment without device modification

SPECIFICATIONS

HARDWARE, OS AND FIRMWARE MANAGEMENT

Processor	ARM9, 400MHz
Memory	Flash 128MB; DRAM 32 MB
Operating System	Linux 2.6
Firmware Upgrade	Demo software / Telnet
API Support	Windows platform – .net / .net core / C++ / Java SDK Android platform – Java Linux platform – C and Java SDK

PHYSICAL CHARACTERISTICS

Dimensions	378mm(L) × 75mm(W) × 1886mm(H) × 2Pcs
Weight	Net weight about 30Kgs
Housing Material	Die-cast aluminum / acrylic

RFID CHARACTERISTICS

Air Protocols	ISO/IEC18000-6B, 6C / EPC C1Gen2
Chipset	Impinj Indy R2000
Frequency	USA: 902 – 928MHz (FCC part 15) EU: 865 – 868MHz (ETSI EN 302208) IDN: 920 – 923MHz (Postel 2017) Optional support: Russian / Japan / Korea / Malaysia / Thailand / other customizable
Output Power	0dBm – 30dBm (±1dBm) adjustable
Channel Bandwidth	< 200KHz
Anti-collision	RSSI / Multi-tag / Intensive inventory supportable
Work Mode	Fixed / hop frequency optional
Antenna	6 × 9dBi antenna

PROGRAMING FUNCTIONS

Automatic reading / White list
Breakpoint Resume / Match reading / Data filter
Data format customizable (PLC / Modbus compatible)

Working Width	0.8 – 2.2 m
Infrared Sensor	Supportable
Led Alarm	Supportable

CONNECTIVITY

Communications	RJ45, RS-232
Antenna Port	6 × 9dBi antenna
Power Supply	DC 24V / 2.5A (DC 9V ~ 30V, 30W)

ENVIRONMENTAL

Operating Temperature	-20 ~ +70°C
Storage Temperature	-40 ~ +85°C
Humidity	5 – 90% non-condensing (+25°C)
Sealing	IP54

TYPICAL APPLICATIONS



Warehouse
Flow Tracking



Retail Store
Analytics



Archives / Library
Item Tracking



Banking
Access Monitoring



People Access
Control



Asset Movement
Monitoring