i3 RFID Portal

Features

- Powered by Impinj R2000 chipset for maximum tag detection performance.
- Built-in infrared sensor, which can trigger tag reading, or judge the entry and exit.
- Built-in alarm light and buzzer, sensitive alarm, safe and reliable
- Support RSSI, antenna detection, online update
- RSSI & speed filters
- The antenna is specially designed to achieve a horizontal narrow beam design for accurate signal coverage with no blind spots.
- Optional LED display to connect to an external computer via HDMI port to display apps

Specifications

HARDWARE, OS AND FIRMWARE MANAGEMENT	
Processor	ARM9, 400MHz
Memory	Flash 128MB; DRAM 32 MB
Operating System:	Linux 2.6
Display	13.1" TFT LED Capacitive touch screen, 1920*1080 (optional)
Firmware Upgrade	Demo software
API Support	Windows – .NET, C++ and Java SDK Android - Java Linux – Java SDK
PHYSICAL CHARACTERISTICS	
Dimensions	1500（H） * 385（W） * 45mm（T）
Weight	One pair, about 20kg
Housing Material	Die-cast aluminum with plastic
RFID CHARACTERISTICS	
Air Protocols	ISO/IEC18000-6B, 6C / EPC C1Gen2
Frequency	USA: 902 MHz-928MHz (FCC part 15) EU: 865-868MHz (ETSI EN 302208)
Output Power:	0dBm-33dBm (±1dBm) adjustable
Channel bandwidth:	< 200KHz
Reading Distance	0-4m (Pre-factory setting)
Anti-collision	Support multi-tag / intensive inventory
Work Mode:	Fixed/hop frequency optional
CONNECTIVITY	
Communications	RJ45
Power supply	DC 24V/2.5A (DC 9V ~ 30V,60W)
ENVIRONMENTAL	
Operating Temp.	-20 - +70°C
Storage Temp.	-40 - +85°C
Humidity	5-90% non-condensing (+25℃)
Sealing	IP45
OHTERS	
The main door includes	1 gantry 2 narrow-beam antennas 1 set of reader 1 group Infrared Sensor 1 set Infrared Sensor Connection Wires 1 Ethernet port 1 Alarm light 1 Alarm Buzzer

Vice door includes	1 gantry 2 narrow-beam antennas 1 group Infrared Sensor 1 set Infrared Sensor Connection Wires 1 Alarm light
Accessories	2 trunkings 1 network cable 1 power cord 2 feeders 4 expansion screws

Outline Dimensions