



RS-PI12LA01

Long Range UHF Integrated Reader

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Back Cover

The RS-PI12LA01 long-range UHF integrated RFID reader comes with an embedded 12dBi linearly polarization antenna, achieving a maximum read range of 25 meters. Compact and easy to operate, this unit is widely used for asset tracking, production line monitoring, warehouse management, logistics and vehicle access control and personnel management.

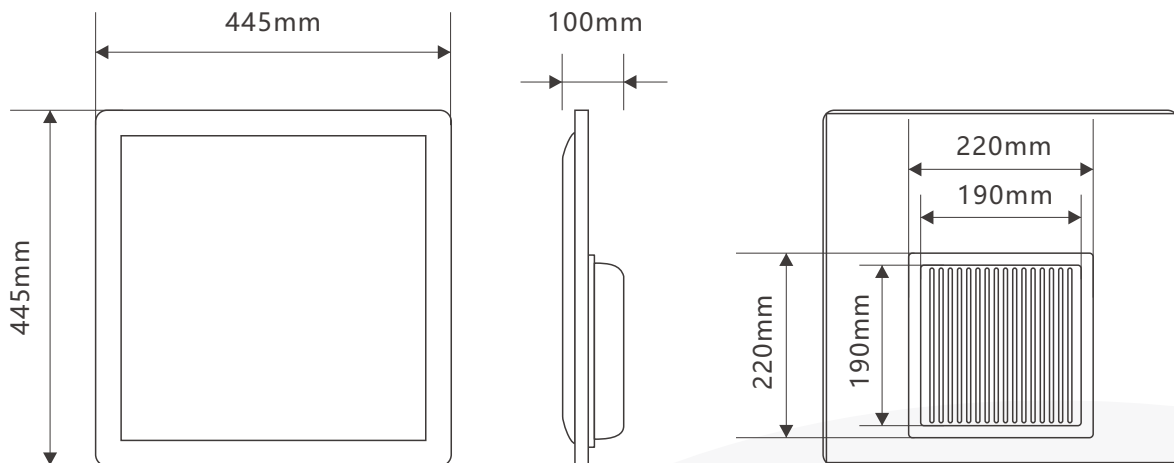
Functions

- 902-928Mhz FCC, 866-868Mhz CE, equipped with 12dBi linear antenna
- Build in Indy R2000 RFID Chip, fast and accurate reading rate
- PoE optional
- Multi-reader operating under intensive environment
- Upgrade firmware online

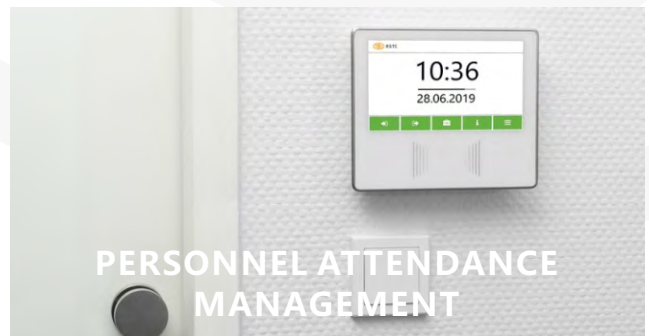
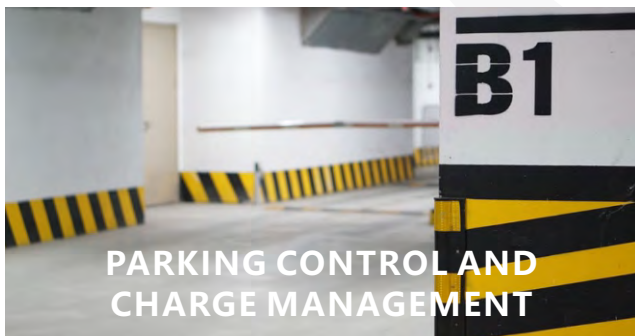
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Product Dimensions

Any discrepancy, please defer to the real product instead.



Application



RS-PI12LA01

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Specification

Performance Index	
Operating Frequency	902 - 928MHz, 865 - 868MHz, RF band customized (optional)
Frequency Hopping	FHSS or Fixed Frequency
Output Power	+20dBm ~ +30dBm@50Ω load, 1dBm each step
Antenna	Built-in 12dBi linear polarization antenna
Communication Interfaces	RS-232, RS-485, 10M/100M Ethernet interfaces
Optional Interfaces	Wiegand 26/34, PoE (optional)
Firmware Update	Ethernet
Application Software Platform	API (C++, C#) development kit (can be customized)

Tag Operation	
Tag Protocol	EPC Class 1 Gen 2 (ISO18000-6C)
Reading Range	0~25m (depends on antenna configuration)
Writing Range	0~5m

Mechanical/Electric Performance	
Indicator	Buzzer, LED (Power, Antenna, Read)
Product Dimension	445mm x 445mm x 100mm (excluding stand)
Package Dimension	600mm×480mm×120mm
Net Weight	3.49kg
Gross Weight	6.56kg
IP Rating	IP65
Power	DC 12V input, PoE optional
Power Assumption	2W(Standby), 10W(Working)
Operating Temperature	-40°C ~ +60°C
Storage Temperature	-60°C ~ +80°C
Humidity	5% ~ 95%(non-condensing)



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