



# RS-PI12CA01

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 circularly polarization antenna, achieving a maximum read range of 20 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.

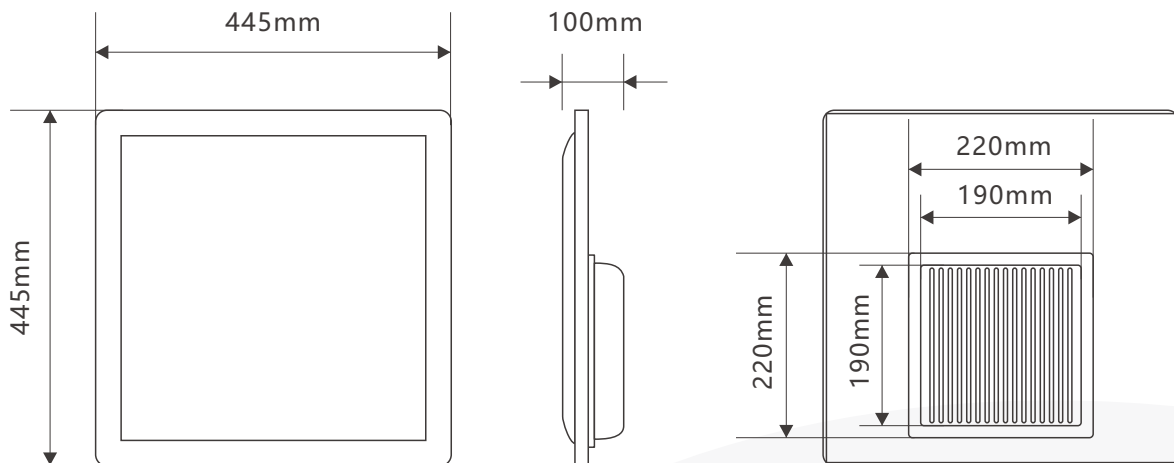
## Functions

- 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

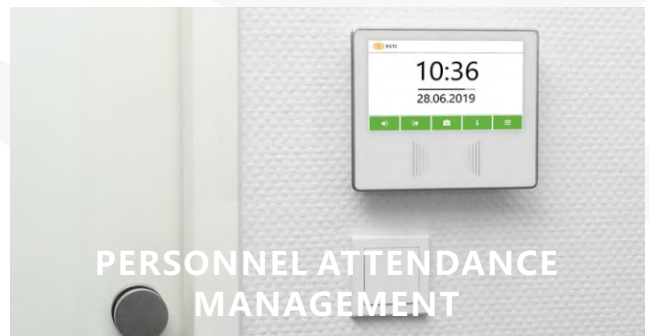
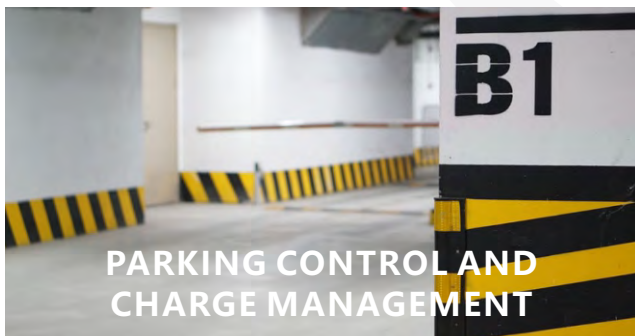
# RS-PI12CA01 Long Range UHF Integrated Reader

## Product Dimensions

Any discrepancy, please defer to the real product instead.



## Application



# RS-PI12CA01

## Long Range UHF Integrated Reader

### 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 circular 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 | 0~20m (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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