



## 1. Brief Introduction

This RF reader is designed as high-power reader products with high-sensitivity read/write function, and faster anti-collision processing, which support to read more than 300pieces tags in one time with stable function, which enable it be used in high-demanding RFID integration project, such as request for big lot of tags to be collected densely, to read tags in long range, etc

This reader can be widely used in jewelries inventory, sales management, warehouse and logistic, production automation, laundry factory auto-sorting, medicines tracing, etc.

## 2. Key Features

- Conform with ISO15693, ISO18000-3 Standard
- Faster anti-collision processing,
- Reading speed up to 60pcs/s, more than 300pcs in one time
- Multi-interface for options-RS232, TCP/IP,etc
- Reading range with single antenna: up to 100cm
- Available with noise-detection function
- With 12 SMA RF antenna connectors
- Available with function of port searching and prevent reading in strings

### 3. Typical Application

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- Library management
- Warehouse management
- Jewelries retail/showing
- Medicine tracing
- Goods/books antitheft
- Laundry factory auto-sorting
- Cauter anti-faking

### 4. Technical Parameter

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|--------------------|---------------------------|
| Frequency          | 13.56Mhz                  |
| Protocol           | ISO/IEC 15693, ISO18000-3 |
| RF power           | 3~6W adjustable           |
| RF port            | 12 SMA (50Ω)              |
| I/O Port           | 1 relay, 1 MOS            |
| Working indication | 2 bio-LED                 |
| Port               | RS232, TCP/IP             |
| Reading range      | Max 100cm                 |
| Reading speed      | Max 60pcs per second      |
| Voltage            | 12V DC                    |
| Current            | < 1A                      |
| Working temp       | -20°C to +60°C            |
| Storage temp       | -45°C to +85°C            |
| Housing material   | Aluminum Alloy            |
| Dimension          | 200*154*30mm              |
| Weight             | 1.3KG                     |
| Model              | IOT5412MW-LR12            |