## UHF RFID Module

<table>
<thead>
<tr>
<th>Product</th>
<th>Model</th>
<th>Description</th>
<th>Picture</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHF RFID Module (4 channels)</td>
<td>M2240</td>
<td>IMPINJ R2000</td>
<td><img src="image1.png" alt="Image" /></td>
<td>High stability and reliability, <strong>60*24 hours</strong> high temperature of workstation, can work stably and continuously. Remarkable performance with 8dbi RF antenna, can achieve a reading distance over <strong>10m</strong> per single tag. Remarkable performance in intensive taps reading can attain a taps identification rate of <strong>400tags/s</strong>. Embedded device, such as Handheld Terminal, Parking Meters, Vending Machines, Banking Terminal. Application for Desktop Terminal and Reader Device. Physical / Logical access control &amp; time attendance. Personal Identification. E-payment. Electronic ticketing for public transportation. Loyalty System.</td>
</tr>
<tr>
<td>UHF RFID Module (single channel)</td>
<td>M2210</td>
<td>IMPINJ R2000</td>
<td><img src="image2.png" alt="Image" /></td>
<td>Can work ceaselessly for 180 days. Maximum power output is +30dBm. Working voltage: 3.7V--5V. -82dBm receiving sensitivity. Module size: 56.5<em>36.0</em>7.8 MM</td>
</tr>
<tr>
<td>Product Description</td>
<td>Model</td>
<td>Specifications</td>
<td>Applications</td>
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<tr>
<td>Desktop UHF RFID Reader/writer</td>
<td>F5002-H</td>
<td>Embedded M2210 R2000 module. -82dBm receiving sensibility. -1dBi ceramic antenna, maximum reading range is 0.5m. Size: 12.0<em>12.0</em>3.0CM</td>
<td>Access control. Parking System. Attendance system. Industrial production process control system. Digital warehouse management.</td>
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</table>
| UHF RFID Mid-range Integrative ReaderWriter | F5009-H | Embedded M2210 R2000 module.  
-82dBm receiving sensibility.  
Reading range: 8--12m.  
Communication Port: RS485, RS232, RJ45  
Tags identification rate: 400tags/s.  
IP64. | Access control.  
Logistics System.  
Parking system, vehicle Management.  
Digital warehouse management. |
|---|---|---|---|
| 12dBi Long-range UHF RFID Integrative Reader with IP | F5012-L | Stable reading distance can reach more than 12M ISO18000-6C, 6B compatible Support various language SDK further development, convenient for system connection RJ45 communication interface can be customized Integrated industrial design, waterproof and sunshine-proof, easy for mounting | Access control.  
Logistics System.  
Parking system, vehicle Management.  
Digital warehouse management. |
| 8dBi Mid-range UHF RFID Integrative Reader with IP or WIFI | F5008-L | Provide DLL and Demonstration Software source code to facilitate further development. Low power dissipation with single +9V DC power supply. Effective distance up to protocols, antenna, RFID tags and work environment. | Access control.  
Logistics System.  
Parking system, vehicle Management.  
Digital warehouse management. |
| 2.45GHz Active Reader | | | |
| 2.45G RSSI Tag | T3433 | Operating frequency: 2.4GHz~2.5GHz ISM  
RF Power: -30.0dBm~1.0dBm  
Operating current: <22uA, 3V (500ms transmitting interval)  
Modulation: GFSK  
Communication Rate: 250Kbps  
Material: ABS(ROHS), flame retardant  
Environmental sealing: IP65  
Dimension: 87mm*56mm*5mm  
Support RSSI function | Students management Auto-identifying and tracking of important person or objects  
Warehouse management Access control, convention registration Logistic management Tracking, orientation and checking people in coal mine,etc. |
| 2.45GHz active RFID reader (Directional) | F3421 | Small size, easy to install; Long distance identification, strong receiving sensitivity; Excellent anti-collision performance; Little RF Power (No more than 1dBm, transmitting power ≤ 2mw), which is suitable for human carry and environment friendly; Multiple communication interfaces, also can be customized; | Students management Auto-identifying and tracking of important person or objects Warehouse management Access control, convention registration Logistic management Tracking, orientation and checking people in coal mine etc. |
| 2.45GHz Active RFID Reader (Omni-Directional) | F3411 | Small size, easy to install; Long distance identification, strong receiving sensitivity; Excellent anti-collision performance; Little RF Power (No more than 1dBm, transmitting power ≤ 2mw), which is suitable for human carrying environment friendly; Multiple communication interfaces, also can be customized; | Intelligent transportation management; Asset identification, tracking and checking management; Orientation, tracking and checking people in coal mine etc.; Position monitor management for baby, prisoner, older psychotic |
| UHF RFID Handheld Reader | P6300 | Product advantage: 1. Adopt high-performance UHF RFID chips, read and write distance up to 3 meters. 2. With high stability; 3. The protection grade could reach IP67 4. The large capacity battery, long run. 5. 1.8 meters fall protection. 6. Touch screen: full toughened capacitive touch screen surface hardness greater than 8 h, 400 CD/M2 brightness visible in the sunlight. |  |
| UHF RFID Handheld Reader | P6100 | Product advantage:  
1. Strong ability to read and write: built-in IMPINJ R2000 rf module, up to 5 meters, maximum read distance are has a stronger ability to resist conflict;  
2. The flexibility and integration, based on the standard of software and hardware components, powerful extensible ability  
3. The human body engineering, provides the dexterous hands were confirmed's one-handed operation key, precision and powerful function set, a 3.5-inch touch screen operation, but the sun hard keyboard configuration, comfortable and easy to grasp and handle of the operation |
|------------------------|-------|------------------------------------------------------------------------------------------------------------------|
| UHF RFID Handheld Reader | P6001 | adopted Android 4.0 operation system  
Memory ROM 4G, RAM 1G  
Screen 5.25 inch screen, resistive touch screen(support Screen Calibration) |
| UHF RFID handheld Reader | P6000U | IMPINJ R2000, 840–960MHz EPCglobal UHF Class 1 Gen 2/ISO 18000-6C  
Processor(CPU): 32bits ARM9 processor, dominant frequency 400MHZ  
OS: WNCE5.0 intelligent operating system  
Memory: RAM512MD, NOR flash512mb, 1G bit Nnad flash  
Memory extension: Integrate 1G bit NAND Flash, reserved TF deck, extensible 16GB memory card |
| UHF RFID handheld Reader | ALH-9000 | Windows Mobile 6.5 and Windows CE 5.0 available  
Prolonged usage capabilities provided by a 3,000 mAh lithium polymer main battery pack  
Memory 256MB RAM / 256MB ROM |

Applicable areas: manufacturing and distribution, transportation, asset management, parts tracking, supply chain and logistics, medicine, management, storage management
### UHF RFID Ceramic Antenna

**F4001N**
- **Gain (Typical):** 1dBic Based on 35×35mm ground plane
- **Antenna model:** 25*25*4mm
- **Frequency Range:** 922.5MHz±1MHz
- **V.S.W.R.:** 1.5:1
- **Band Width:** >2 MHz
- **Impedence:** 50 ohm
- **Gain (Typical):** 1dBic Based on 35*35mm ground plane
- **Polarization:** RHCP
- **RF Connector:** SMA
- **Working Temp.:** -20°C~+65°C
- **Storage Temp.:** -40°C~+85°C
- **Have different Specifications:** 1dbi, 2dbi, 3dbi, 5dbi, etc.

### UHF Antenna

**F4108**
- **UHF Mid-range Antenna:**
  - **Reading distance:** 8dbi circularly polarized antenna, 0~8m.
  - **Working frequency:** FCC ISM 902~928MHz or ETSI 865.6~867.6MHz
  - **Working voltage:** DC 9~12V
  - **Support Protocol:** ISO-18000-6B or ISO-18000-6C (EPC G2)
  - **Size:** 255mm*255mm*34mm
  - **Net weight:** 900g
  - **Auto-gaining antenna:** circularly polarized

**F4112**
- **UHF Longe-range Antenna:**
  - **Reading distance:** 12dbi linearly polarized antenna, 0~15m.
  - **Working frequency:** FCC ISM 902~928MHz or ETSI 865.6~867.6MHz
  - **Size:** 445mm*445mm*55mm
  - **Net weight:** 5kg
  - **Auto-gaining antenna:** linearly polarized

### UHF RFID Gate

**F3808**
- **Support UHF EPC G2/ISO18000-6C,** ISO18000-6B protocol tags; 860~868MHz, 902~928MHz frequency band (frequency customization optional);
- **RF output power up to 30dbm (adjustable);**
- **Built-in 3 line infrared motion detection sensor;**
- **Advanced anti-collision algorithm, high identification rate;**
- **Support NXP tag/label EAS function;**
- **Support RS232, RS485 and RJ45 (TCP/IP) network interface;**

### RFID Mobile Phone

- **Top choice for open mass flow RFID applications, such as:**
  - Library Entrance Control, Access Control, Process Control, etc.
<table>
<thead>
<tr>
<th><strong>high-end RFID mobile phone with UHF+HF</strong></th>
<th>P6110</th>
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<tbody>
<tr>
<td>Operation System: Android OS v2.2.3</td>
<td></td>
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<tr>
<td>CPU: Qualcomm MSM7227 ARM11 800MHz</td>
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<td>Memory: 512MB</td>
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<tr>
<td>Display: 3.8-inch multi-touch screen</td>
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<tr>
<td>RFID: HF:13.56M (ISO14443A Protocol), reading distance around 4cm. UHF: 900M (EPC C1/G218000-6B/6C Protocol) Read:1M Frequency:860~960MHz+13.56 MHz FHSS or fixed frequency Camera: 3.0 Mega Pixel camera, auto focus, with LED light</td>
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<tr>
<th><strong>RFID Labrary</strong></th>
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<tbody>
<tr>
<td><strong>24-hour Self-assisted Intelligent Satellite RFID Library (Generation 2)</strong></td>
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<tr>
<td>L8800</td>
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<tr>
<td>Dimensions: 3800<em>1100</em>2380mm</td>
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<tr>
<td>Work frequency: 902~928MHz</td>
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<tr>
<td>Tag Protocol: ISO 18000-6C</td>
</tr>
<tr>
<td>Capacity: 480 books</td>
</tr>
<tr>
<td>Extra capacity: 60~100 books</td>
</tr>
<tr>
<td>Book borrowing time: 25sec/book</td>
</tr>
<tr>
<td>Return time: 5sec/book, 5 books/30sec.</td>
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<tr>
<td>Pick up and place back manner: robot hands</td>
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<tr>
<td>Work temperature: -20℃~+60℃</td>
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<tr>
<td>Relative humidity: 10% ~ 90%</td>
</tr>
<tr>
<td>Reliability: mechanical parts: more than 15,000h, electrical parts: more than 20,000h</td>
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<tr>
<td>Power supply: AC165<del>264V, 50</del>60Hz, 22A</td>
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<tr>
<th><strong>UHF RFID Passive Tags</strong></th>
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<tbody>
<tr>
<td><strong>(Contact us for other tags not included.)</strong></td>
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<tr>
<th><strong>UHF Anti-metal Tag</strong></th>
<th>T1302</th>
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<tr>
<td>With up to 10 meter (32ft) read range on metal surfaces, UHF Class 1 Generation 2 anti-metal tag has been designed to overcome the challenges of metal asset tagging. The light-weight tag has adhesive background and it can be directly attached on metal surface – without any extra spacer material.</td>
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</tbody>
</table>

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<thead>
<tr>
<th><strong>Ceramic Anti-dismantle UHF RFID Tag</strong></th>
<th>T1732</th>
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<tbody>
<tr>
<td><strong>Packing &amp; package:</strong> For single tag: hot plastic packing, anti-dampness, neutral packing. Standard carton size: 1,000pcs/ctn, 3,000pcs/ctn, 5,000pcs/ctn, 10,000pcs/ctn.</td>
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</table>

| **Management for various metal assets incl. industrial returnable transport items and IT assets.** |
| **Plastics surface materials management** |
| **logistics and warehousing management parking system management production line management anti-counterfeiting** |
| UHF RFID Livestock Tag | T3609 | Model: SR-RFID3609  
Support protocol: ISO18000-6C(EPC GEN2)  
Work frequency: ISM 902~928MHz or 865~867MHz  
Working mode: FHSS  
Programmable memory: 96/512bits  
Tag materials: PET+AL  
Working temperature: $-5^\circ\text{C} \sim +50^\circ\text{C}$  
Dimension: 80*70*2.5/11(H)MM | Cow management |
|---|---|---|---|
| UHF RFID Anti-tearing Tag (for car windshield) | T3607 | Support protocol: ISO18000-6B, ISO18000-6C(EPC GEN2)  
Work frequency: ISM 902~928MHz or 860~870MHz  
Working mode: FHSS  
Programmable capacity: 96bits  
Card reading speed: preset via software, average less than 10ms/64bits for single card reading  
Read distance: 18m(subject to reader and antenna)  
Dimension: 40mm*110mm*0.3mm | Vehicle access management, vehicle flow monitoring, attached to the inside of the windshield glass |
| Passive UHF Metal mount Tag | T3606 | Model: SR-RFID3606(Metal mount tag)  
Support protocol: ISO18000-6C(EPC GEN2)  
Working frequency: ISM 902~928MHz or 860~870MHz  
Work mode: FHSS  
Memory capacity: 2,056bits, globally unique 94 bits ID number  
Dimension: 200mm*12mm*10mm | Asset management, especially asset with metal. Logistics and warehouse management: the tag fixed on pallet or tray. Vehicles management: fixed on windshield. Trash management: tags are fixed on trash boxes. Other place where metal will influence the RFID reading. |
| Passive UHF RFID Tag PVC/PET | T1101 | Support protocol: ISO18000-6B, ISO18000-6C (EPC GEN2)  
Work frequency: ISM 902~928MHz or 860~870MHz  
Work mode: FHSS  
Capacity memory: 2,056bits, globally unique 94 bits ID number  
Tag materials: PVC/PET  
Working distance: up to the readers and antennae(Maximum over 15m)  
Working temperature: $-20^\circ\text{C} \sim +80^\circ\text{C}$  
Dimension: 86mm*55mm*2mm |
1. Payment: Sample and small quantity: full payment in advance; Large quantities: 30% deposit, balance 70% before shipment
   付款方式: 样品和小量订单：100%全额预付款; 大批量订单需预付30%定金，交货前付70%。

2. No cancellation allowed within 15 days before the delivery date by confirmed.
   确认的交货日之前15天内不接受取消订单。

3. Production capacity: Reader: 5,000/Month; Tags: 5,000,000/month.
   产能: 读写器每个月5,000台，标签每个月5,000,000个。

4. MOQ for readers: 1pcs;
   MOQ for tags: 5,000pcs;
   Sample order excluded.
   读写器最小起订量：1台；电子标签最小起订量：500个；样品单除外。

5. Lead time: 5-7 working days, please confirm with us in advance for large quantities.
   交期: 样品和小量订单5至7个工作日发货，大批量交期需再次确认。
6. Warranty: readers: full one year warranty since the purchasing day; tags: one month

质保：读写器为1年，标签为1个月