# Mi5100A ACTIVE 2.4GHz RFID READER



Mi5100A is a directional active RFID reader suitable for wide range detection of people and objects.

## FEATURES

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| **Model Name** | Mi5100A |
| **Frequency** | 2.4GHz ISM microwave band, up to 256 channels |
| **Core Processor** | 32-bit RISC ARM microprocessor |
| **Antenna** | • Dual port 50Ω antenna with SMA connectors ½ wave whip<br>• Open to higher gain antennae |
| **Interface** | • PoE ( Power over Ethernet) (IEEE802.3af)<br>• Ethernet (LAN) (IEEE802.3)<br>• Universal Series Bus (USB)<br>• RS232C |
| **Power Supply** | • 5V @ 1Amp DC<br>• USB<br>• PoE |
| **Dimension** | 135mm x 115mm x 30mm (Bare Board: 125mm x 100mm x 15mm) |
| **Casing** | Aluminum Casing |
| **Reading Distance** | • 150m radius line of sight<br>• Effective 80m radius |
| **Anti-collision** | Effective can recognize up to 200 tags simultaneously |
| **Operating Temperature** | -20°C~+85°C |

## APPLICATIONS

1. **Access Management:**
   Access Control Management, Parking Management, Electronic Toll Collection, and Custom Safety-inspection.
2. **Employee Tracking and Management:** Attendance Management, Employee Monitoring, Security Patrol System.
3. **Asset Management:**
   Storage and Data Collection, Goods Mobility Tracing and Control, Automatic Container Identification and Tracking Management.
4. **Ubiquitous Network:**
   Intelligent Object Flow Management, Object Control and Operation, Sensory Network Operation.

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| **Data Sheet Version** | Mi5100A |
| **Date** | 16 March 2012 |