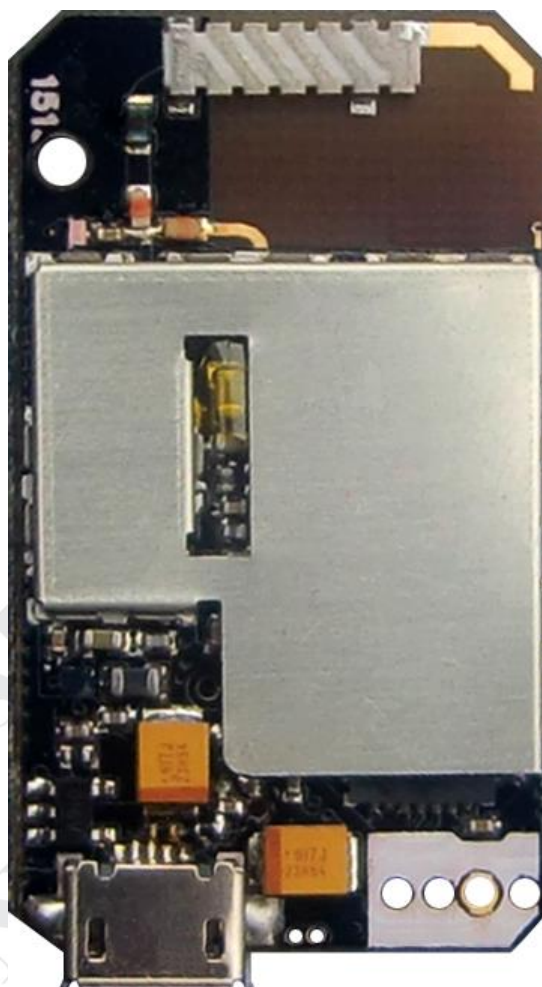


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**900MHz UHF RFID Module**

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**Version History**

| Version | Date              | Changes      |
|---------|-------------------|--------------|
| V0.01   | December 10, 2014 | 1st. Edition |

## Key Features

- Complaint with EPC C1 Gen2 / ISO 18000-6C and FCC modular approval requirements
- On-Board Antenna without extra cost
- Adjustable transmit output level control from 5 dBm to 27 dBm in 1 dB step
- Maximum tag read rate of over 100 tags per second
- Supporting Dense Reader Mode (DRM) and Listen-Before-Talk (LBT) features
- Maximum tag read distance of 4.5 feet (1.5 m)

## Applications

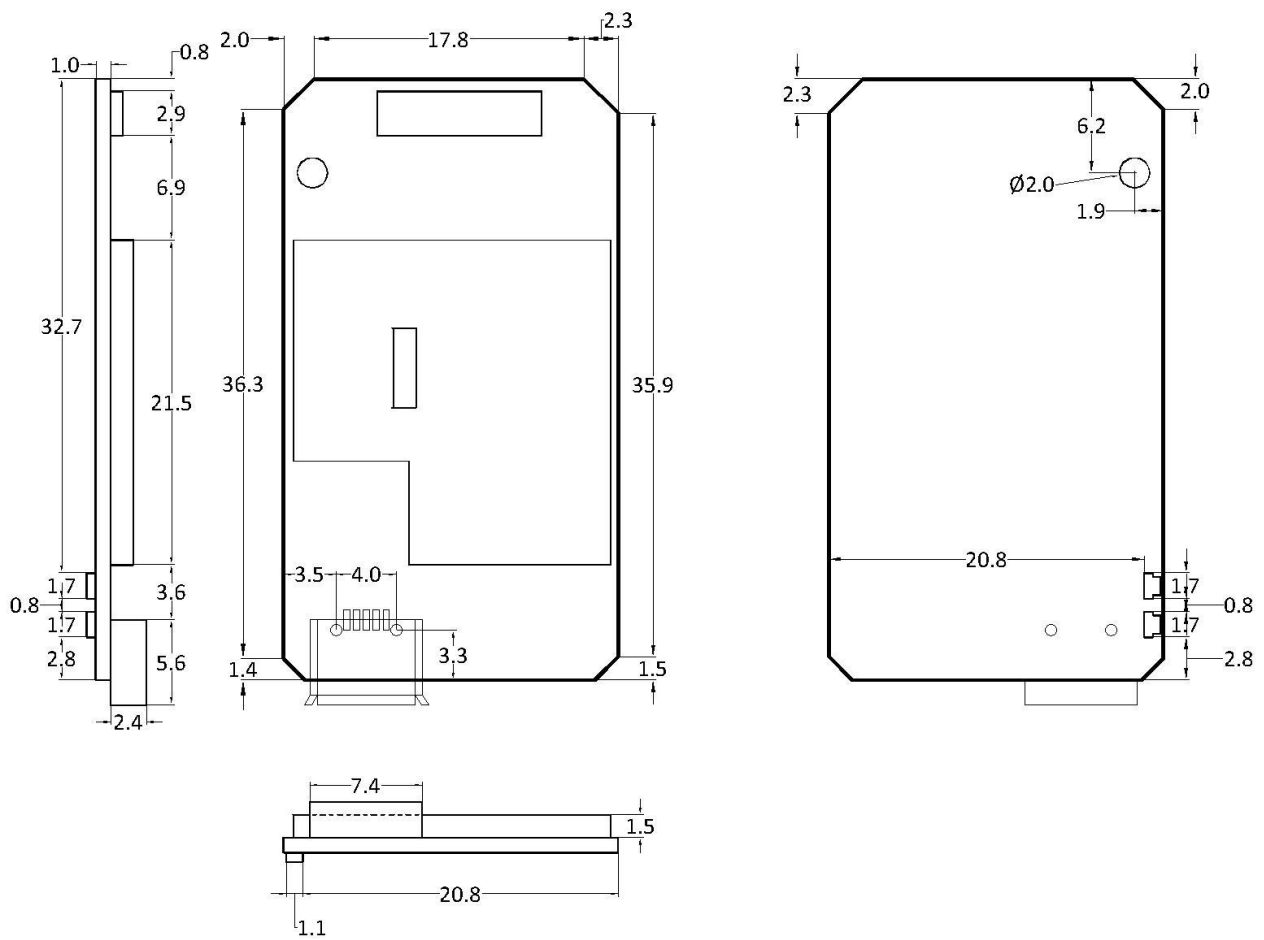
- RFID E-Tag-street parking management
- Asset management
- Library management
- Supermarket Management
- Management of firearms
- Livestock management
- RFID in manufacturing management
- UHF RFID track time application
- Apparel Management
- Jewelry management
- Logistics Management
- Livestock management

## Hardware Specification

### 1.1 Specification

| Parameter            | Specification                            |
|----------------------|--|
| Supply Voltage Range | VDC 3.6V~5V                              |
| Current Consumption  | Scan mode: 360mA(VDC=4.2V Peak Current)  |
| Operating frequency  | 902MHz~928MHz                            |
| Channel spacing      | 500KHz                                   |
| TX power             | 27dBm( 500mW )                           |
| Tag Read Distance    | 4.5 feet (1.5 m)                         |
| Tag Read Rate        | Over 100 tags per second                 |
| Interface            | Logic Levels 3.3V UART                   |
| Data Encoding        | FM0 or Miller code                       |
| Temperature Range    | Operating: -10~+60℃    Storage: -30~+85℃ |
| Dimensions           | 41.45 * 22.75 * 4.5 mm                   |

## 1.2 View



WENSHING  
Do Not Disturb