

# Micro USB RFID UHF Reader - Specification Sheet

Device Type: Compact UHF RFID Reader

Interface: Micro USB

Application: Smartphones, Tablets, Embedded Systems

## 1. General Features

- Connection Interface: Micro USB (OTG compatible)
- Operating System Compatibility:
  - Android (5.0 and above)
  - Windows (with appropriate adapter and drivers)
- Form Factor: Compact, plug-and-play module
- Dimensions: Approx. 60 x 40 x 10 mm
- Weight: ~50g

## 2. RFID Performance

- Frequency: UHF 860-960 MHz (global band support)
- Standard Compliance:
  - EPC Class 1 Gen 2
  - ISO 18000-6C
- Read Range: Up to 80 cm (depending on tag and environment)
- Antenna: Integrated linear or circular antenna
- Reading Speed: Up to 200 tags/sec
- Tag Types Supported: UHF passive RFID tags

## 3. Power

- Power Supply: Draws power from host device (via Micro USB)
- Power Consumption:
  - Standby: < 20 mA
  - Working: ~200 mA

## 4. Software and SDK

- SDK Availability:
- Android SDK
- Windows SDK (for OTG-enabled adapters)
- Demo App: Provided for Android (APK)
- Integration: API functions for tag read/write, filtering, and inventory mode

## 5. Environmental

- Operating Temperature: -10°C to +50°C
- Storage Temperature: -20°C to +60°C
- Humidity: 5%-95% non-condensing

## 6. Certifications

- CE, FCC, RoHS compliant