

Eagle UHF



The Eagle mobile reader offers a powerful UHF RFID module up to **30dBm** (adjustable from 5 to 30dBm) and 1D/2D barcode scanner.

This easy-to-use device communicates with any mobile device or computer in **Bluetooth** communication (SPP and HID profiles).

Thanks to its long lasting battery it can be used continuously with UHF reading up to 6 hours! The device is perfectly adapted to inventory management, asset management, inspection etc.

Key features

- Ultra-Long Standby
- UHF Reading
- Easy-to-use RFID reader

V1.3
Non-contractual datasheet

General specifications

Dimensions	282x117.5x32mm
Weight	334g (with battery)
Colour	White
Material	Plastic
Keypad	PWR button (side), up, down, return, ok, SCAN button (front)
Battery	5200mAh 4.35V Standby: over 70 hours (keeping bluetooth connected) Continuous use: up to 6 hours (UHF reading) Charging time: 3-4 hours (with standard adaptor and USB cable)
Display	1.77 inch, 128X160
Indicator LED	Power, Work, Bluetooth
Buzzer	Support
Interfaces	Micro-USB

Performance

MCU	Cortex-M3 72MHz
Storage	Storage: 50 000 tags RAM: 64MB+ ROM: 4GB

User Environnement

Operating temperature	-20°C to +50°C
Storage temperature	-40°C to +70°C
Humidity	5% – 95% relative humidity, no condensation
Drop specification	Multiple 1.5m/4.9ft drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
ESD	±15KV air discharge, ±8KV conductive discharge

Wireless communication

Bluetooth	Bluetooth 4.0
Bluetooth profiles	SPP, HID

Developing environment

SDK	Android / IOS
Tool	Android Studio / Xcode
Language	Java / Objective-C

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Data collection

UHF

Engine	CM2000-1 module based on Impinj Indy R2000
Antenna	Linear Polarized antenna (4dBi)
Frequency	865-868MHz/902-928MHz
Module power	1W (30dBm, support +5~+30dBm adjustable)
Read range	>28m (indoors);>12m (open outdoors)
Reading rate	>200tags/s

Barcode Scanning

2D Imager Scanner	SE2707
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: USPostNet, USPlanet, UKPostal, AustralianPostal, Japan Postal, Dutch Postal (KIX), etc.

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