



UHF RFID Handheld Reader

SKU:	RS-R2
Frequency:	EU 865-868 MHz US 902-928 MHz JP 920-925 MHz
Engine:	CM710-1 module based on Impinj E710
Protocol:	EPCglobal Class 1 Gen 2, ISO/IEC 18000-63
Interfaces:	USB Type-C, Bluetooth Low Energy (BLE) 5.0

This UHF RFID handheld reader, equipped with the CM710-1 module based on the Impinj E710 engine, delivers lightning-fast performance with a read rate of over 900 tags per second and an extended range of up to 31 meters. It supports EPCglobal Class 1 Gen 2 and ISO/IEC 18000-63 protocols and Impinj Gen2X for enhanced UHF capabilities. Equipped with a 5200mAh removable battery, it provides up to 6 hours of continuous operation. With Bluetooth Low Energy (BLE) 5.0 connectivity, rugged construction, and full Android/iOS SDK support, this reader is an ideal solution for industrial, retail, and logistics environments requiring reliable, long-range RFID tracking.

Physical Information	Dimensions	282×117.5×32mm / 11.10×4.63×1.26in
	Weight	334g / 11.78oz (with battery)
	Material	Plastic
	Colour	White
	Display	1.77 inch, 128×160
	Power	Battery specification: 5200 mAh 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)
	Buzzer	Support
	Indicator LED	Power, Work, Bluetooth
	Interfaces	USB Type-C, Bluetooth Low Energy (BLE) 5.0

Technical Information	Engine	CM710-1 module based on Impinj E710
	Frequency	EU 865-868 MHz US 902-928 MHz JP 920-925 MHz
	Protocol	EPCglobal Class 1 Gen 2, ISO/IEC 18000-63
	Enhanced Feature	Impinj Gen2X
	Fastest Read Rate	900+ tags/sec
	Max Read Range	26m (Impinj MR6 tag, size 70×15mm) 27m (Impinj M750 tag, size 70×15mm) 31m (Alien H3 Anti-Metal tag, size 130×42mm)
	Antenna	Linear Polarized antenna (4dBi)
	MCU	Cortex-M3, 72MHz
	Storage	50000 tags

Developing Environment	SDK	Android / iOS
	Language	Java / Objective-C
	Tool	Android Studio / Xcode

Additional Information	Operating Environment	-20 to +65°C, 10% to 95% RH, non-condensing
	Storage Environment	+18 to +28°C, 10% to 95% RH, non-condensing
	Drop Specification	Multiple 1.5m / 4.9ft drops (at least 20 times) to the concrete across the operating temperature range
	Tumble Specification	1000×0.5m / 1.64ft falls at room temperature
	ESD	±15KV air discharge, ±8KV conductive discharge
	Industry	Logistics and supply chain, Retail, E-commerce, Manufacturing, Healthcare, Education, Aviation, Security, Energy, Utilities, Transportation
	Applications	Warehouse inventory management, Asset tracking, Store stock control, Production line monitoring, Equipment management and inspections, Medical device tracking, Baggage and cargo tracking, Vehicle entry management, Security patrols and inspections

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
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