



Minimesh M830

45 x 18 mm

The Minimesh M830 from RICHRFID is a versatile, highperformance RFID label designed for a wide range of applications. It delivers reliable reading performance across apparel and fashion, warehouse logistics, and beauty and personal care.

The product complies with EPCglobal Class 1 Gen 2 and is manufactured under ISO 9001 quality management and ISO 14001 environmental management standards, ensuring reliable, industry-grade performance for diverse use cases.

Equipped with the Impinj M830 IC, it offers improved read/write sensitivity compared with the M700 series, enabling faster and more accurate bulk reading performance. The Impinj IC is compatible with the global GS1 UHF Gen2v2 standard, standardized as ISO/IEC 18000-63.

When Impinj Protected Mode is enabled, the label can help protect item data privacy, making it suitable for high-value products, authenticity verification, and applications requiring enhanced privacy protection.

With a label size of 45 x 18 mm, it delivers stable RFID performance and is especially well-suited for retail applications.

Overview

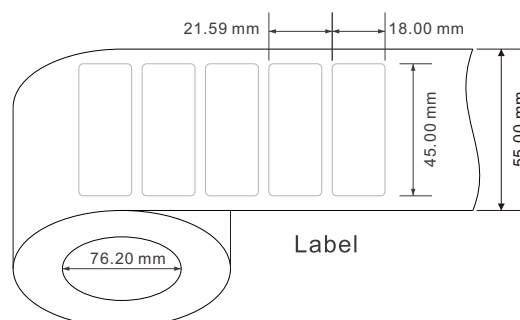
Frequency Band
UHF 860-960 MHz

Chip Type
Impinj M830

Dimensions
45 x 18 mm / 1.77 x 0.71 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

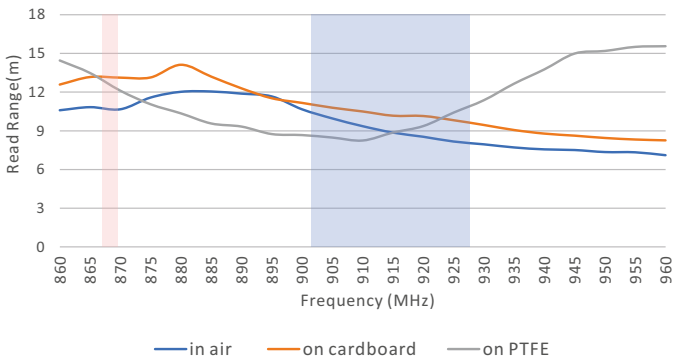
Application
Retail & Apparel
Asset tracking
Smart packaging
Authentication



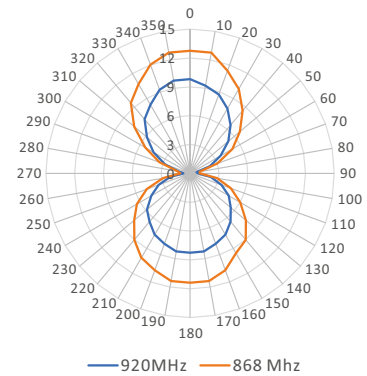


Model	RC5127
RFID Features	
Frequency	860-960 MHz
Application	Non metal
Chip Type	Impinj M830
Memory	User - N/A; EPC - 128 bits; TID - 96 bits
Data Storage	> 10 years
Re-write	100,000 times
Physical Features	
Dimension	45 x 18 mm / 1.77 x 0.709 in
Material	Coated Paper
Adhesive	Hot Melt
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight
Other Features	
Installation	Adhesive on clean & dry surface
Customization	Printing, Encoding, Designing, etc.
Package	2,500 pcs / roll, 4 rolls / box

Read Range(2W ERP)



Radiation Pattern



PS: The performance is theoretical values in the lab and the actual effect depends on the specific applications.



Web: <https://www.richrfid.com> E-mail: info@richrfid.com
Shenzhen | Hong Kong | Singapore | Seoul | Tokyo | Paris



DISCLAIMER

All specifications are indicative and results may vary. Each user bears full responsibility for making its own determination as to the suitability of RICHRFID products, materials, services, recommendations, or advice for its own particular use.

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