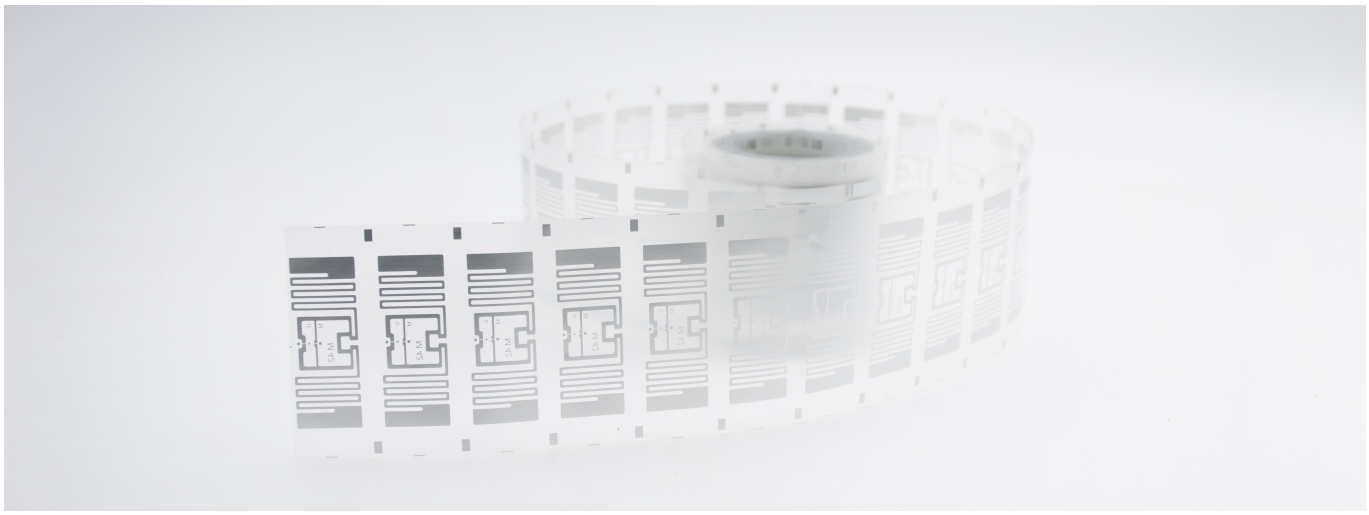


Minimesh 42 x 16 mm M830

The Minimesh inlay/label from RICHRFID is a versatile, high-performance tag designed for a wide range of applications. It delivers reliable reading performance across supply chain management, inventory control, logistics, retail and apparel.

The product is complied with EPC global Class 1 Gen 2 , 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. The IC has an improved read/write sensitivity compared to the M700 series ,enables faster, more accurate bulk reading performance.The Impinj IC is compatible with the global GS1 UHF Gen2v2 standard ISO/IEC 18000-63.

By enabling Privacy Mode, the label can be used for high-value products, authenticity verification, and applications requiring enhanced privacy protection.

The label size 45 x 18 mm and performance make it especially well-suited for retail application.

Overview

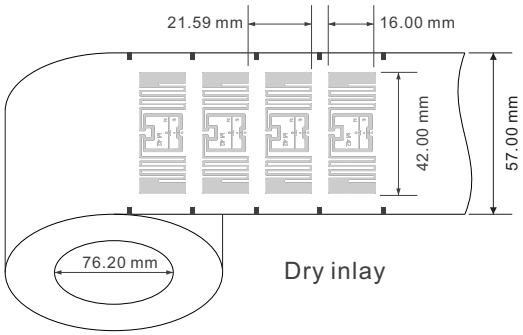
Frequency Band
UHF 860-960 MHz

Chip Type
Impinj Monza 830

Dimension
42 x 16 mm / 1.65 x 0.63 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

Application
Retail & Apparel
Asset tracking
Smart packaging
Authentication

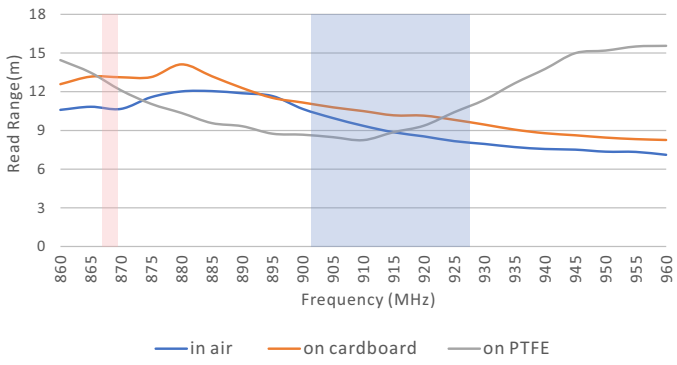


Dry inlay

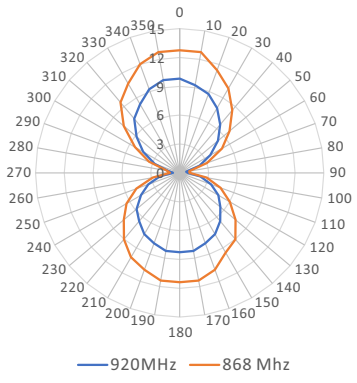
Technical Features

Chip Type	Impinj Monza 830	
EPC	128 bits	
User	N/A	
TID	96 bits	
Model	——	RC5127
Delivery Format	Dry Inlay	Label
Die-Cut Dimension	——	45 x 18 mm / 1.77 x 0.71 in
Inlay Substrate	50 um PET	50 um PET
Face Material	——	Coated Paper
Adhesive	——	Hot Melt
Standard Pitch	21.59 mm / 0.85 in	21.59 mm / 0.85 in
Web Width	57 mm / 2.24 in	55 mm / 2.17 in
Core inner Diameter	76.2 mm / 3.0 in	76.2 mm / 3.0 in
Operating Temperature	-40°C to 85°C / -40°F to 185°F	
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight	
Installation	——	Adhesive on clean & dry surface
Customization	Encoding, Designing, etc.	Printing, Encoding, Designing, etc.
Package	25,000 pcs / roll, 4 rolls / box	2,500 pcs / roll, 4 rolls / box
Application	Non-metal	

Read Range(2W ERP)



Radiation Pattern



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

RICHRFID

Web: https://www.richrfid.com E-mail: info@richrfid.com

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