

Vibe 70 x 14 mm M830

The Vibe M830 inlay/label by RICHRFID is designed for apparel, retail, and logistics operations. It performs exceptionally well on packaging materials such as corrugated cardboard and plastic transport containers.

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 NXP 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 73 x 20 mm which is Compact format suitable for printing QR codes, serial numbers, and other visible data. Ideal for stacked packaging applications.

Overview

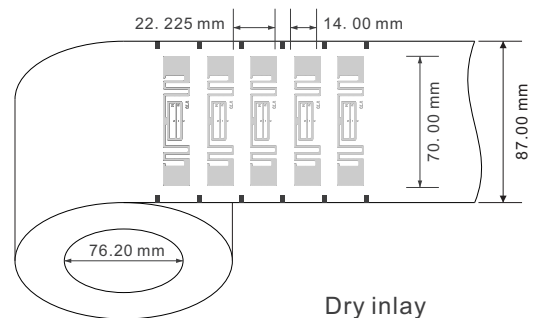
Frequency Band
UHF 860-960 MHz

Chip Type
Impinj Monza 830

Dimensions
70 x 14 mm / 2.76 x 0.55 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

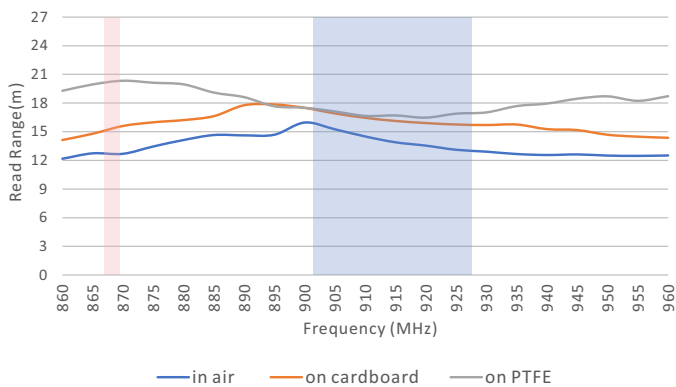
Application
Retail & Apparel
Asset tracking
Smart packaging
Authentication



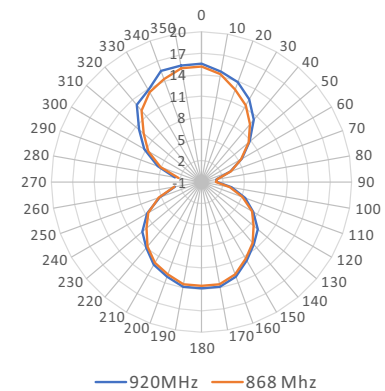
Technical Features

Chip Type	Impinj Monza 830	
EPC	128 bits	
User	NA	
TID	96 bits	
Model	—	RC5128
Delivery Format	Dry Inlay	Label
Die-Cut Dimension	—	73 x 20 mm / 2.87 x 0.79 in
Inlay Substrate	50 um PET	50 um PET
Face Material	—	Coated Paper
Adhesive	—	Hot Melt
Standard Pitch	22.225 mm / 0.875 in	22.225 mm / 0.875 in
Web Width	87 mm / 3.43 in	85 mm / 3.35 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	10,000 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

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DISCLAIMER

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