



Bullbone 94 x 22 mm M830

The Bullbone M830 inlay / label from RICHRFID is designed for global supply chain, logistics, and industrial applications.

It delivers stable, high-performance RFID operation even in harsh environments and on a wide range of material surfaces.

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, which ISO/IEC standardized as 18000-63.

The Antenna size 94 x 22 mm is optimized for long-range, ideal for factory inbound / outbound processes, RTI management and inventory management.

The label size 97 x 25 mm provides ample space for QR, serial numbers, and other readable information, supporting on-site visual verification.

Overview

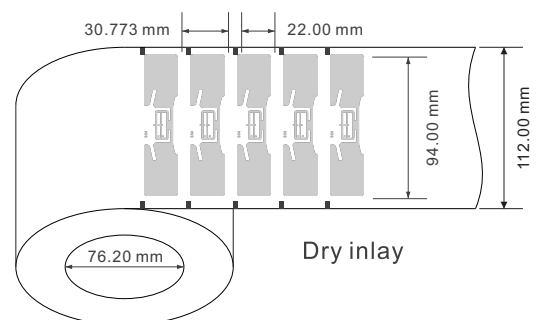
Frequency Band
 UHF 860-960 MHz

Chip Type
 Impinj Monza 830

Dimensions
 94 x 22 mm / 3.70 x 0.87 in

Air Interface Protocol
 ISO/IEC 18000-63 Type C

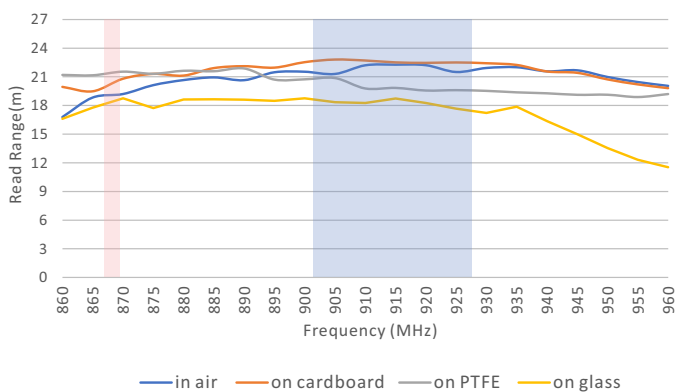
Application
 Supply Chain
 Logistics
 Industry & Manufacturing
 Healthcare & Pharmaceuticals



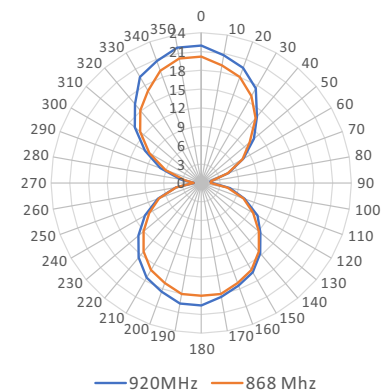
Technical Features

Chip Type	Impinj Monza 830	
EPC	128 bits	
User	N/A	
TID	96 bits	
Model	—	RC5129
Delivery Format	Dry Inlay	Label
Die-Cut Dimension	—	97 x 25 mm / 3.82 x 0.984 in
Inlay Substrate	50 um PET	50 um PET
Face Material	—	Coated Paper
Adhesive	—	Hot Melt
Standard Pitch	30.773 mm / 1.21 in	30.773 mm / 1.21 in
Web Width	112 mm / 4.41 in	107 mm / 4.21 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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