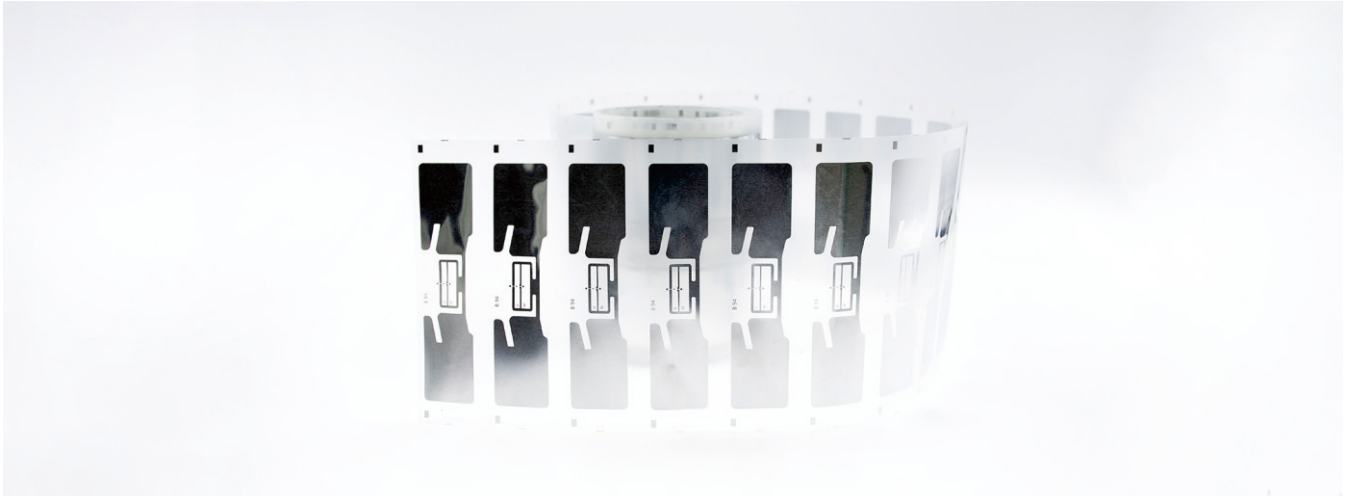




Bullbone 94 x 22 mm M830

The Bullbone from RICHRFID is designed for automotive, automation industry, events-sports-gaming, warehouse logistics, oil and gas. It delivers stable, high-performance RFID operation even in harsh environments and on a wide range of material surfaces.

The product complies with EPC global 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 by ISO/IEC as 18000-63.

The 94 x 22 mm antenna is optimized for long read ranges, making the inlay ideal for factory inbound/outbound processes, RTI management, and inventory management.

Designed for conversion into a 97 x 25 mm RFID label, the dry inlay format provides sufficient area for QR codes, serial numbers, and other human-readable information, supporting onsite visual verification.

Overview

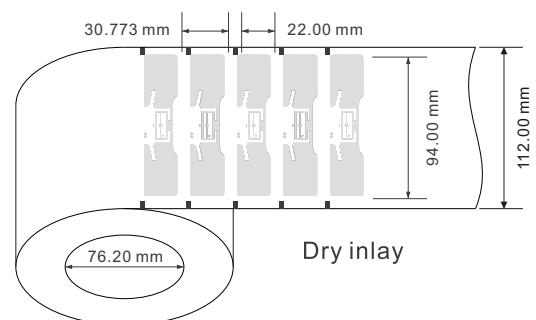
Frequency Band
UHF 860-960 MHz

Chip Type
Impinj M830

Dimensions
94 x 22 mm / 3.70 x 0.87 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

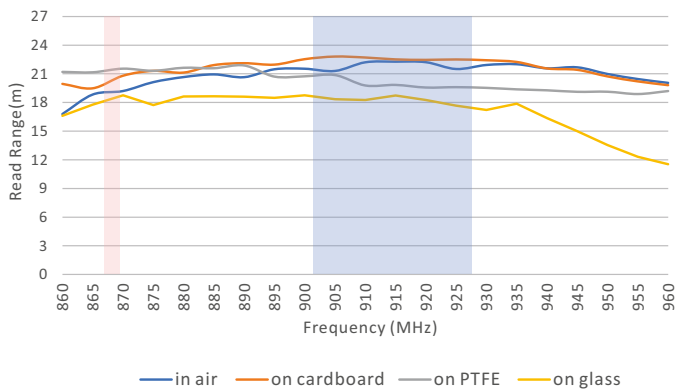
Application
Supply Chain
Logistics
Industry & Manufacturing
Healthcare & Pharmaceuticals



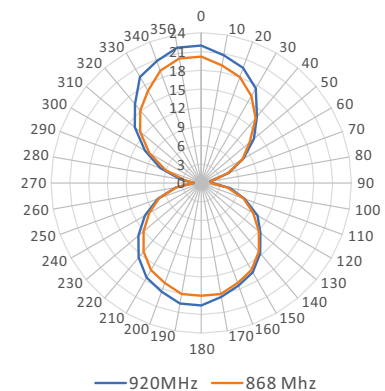
Technical Features

Chip Type	Impinj M830	
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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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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