Eagle™ M730

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
Impinj M730

Antenna Dimensions
44 x 28 mm / 1.70 x 1.10 in

International Standard
ISO 18000-63, EPC Class 1 Gen 2

Industry Segments
Apparel
Logistics

Applications
Supply Chain Management
Brand Protection
Home Essentials

RoHS
EU Directive 2011/65/EU and
Directive (EU) 2015/863

REACH
Regulation (EC) No. 1907/2006

Top read range for retail applications

Our Eagle™ M730 is one of the smallest UHF RFID inlays with superior global RF performance for apparel and retail applications. Having a compact size 44 x 28 mm which can be easily converted into end application usage, Eagle is available in dry, wet and label delivery formats.

Eagle™ products are available with the Impinj M730 and M750 ICs, offering high performance across different materials and challenging environments due to enhanced adaptive RF tuning features. The Impinj M730 IC has 128-bit EPC memory, and the Impinj M730 IC has 128-bit EPC memory. The Impinj IC is compatible with the global GS1 UHF Gen2v2 standard, which ISO/IEC standardized as 18000-63.
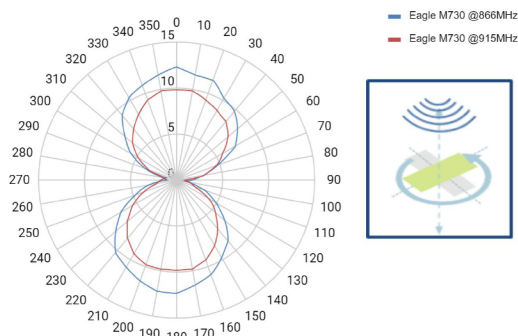
Eagle with both Impinj M730 and M750, is included on the approved retail application inlay list by the RFID Research Center (ARC) of the University of Auburn, and complies with categories F, G, I, K, M, Q, N, L, W1, W2, W3, W4, W5, and W6.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.
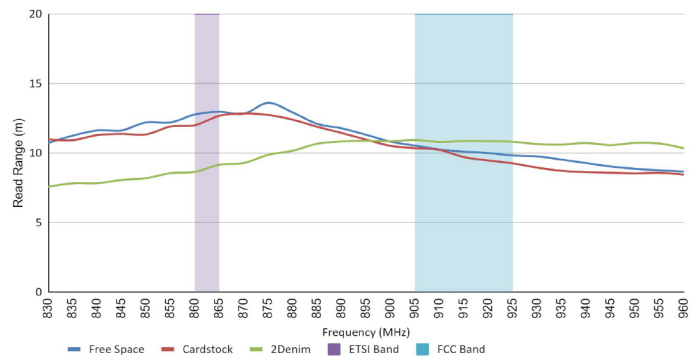
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Technical features

Chip	Impinj M730		
EPC and User Memory	128-bit and 0		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3008000 / IL-603995	3007992 / IL-603988	3007993 / IL-603989
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	–	47x31 mm / 1.85x1.22 in	47x31 mm / 1.85x1.22 in
Inlay Substrate	PET	PET	PET
Face Sheet	–	–	Mid-gloss paper
Standard Pitch	34 mm / 1.339 in	34 mm / 1.339 in	34 mm / 1.339 in
Web Width	50 mm / 2 in	50 mm / 2 in	50 mm / 2 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	18,000 pcs/reel 90,000 pcs/box	15,000 pcs/reel 30,000 pcs/box	3,200 pcs/reel 6,400 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	-40 °C to 85 °C / -40 °F to 185 °F	-40 °C to 85 °C / -40 °F to 185 °F
Certificates	ARC		

Orientation sensitivity

- Eagle M730 @866MHz
- Eagle M730 @915MHz

Read range

Free Space — Cardstock — 2Denim — ETSI Band — FCC Band

All graphs are indicative: performance in real life applications may vary.