

AD Dogbone® M730

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj M730

Antenna Dimensions

94 x 24 mm / 3.70 x 0.90 in

International Standard

ISO 18000-63 EPC class 1 Gen 2

Industry Segments

Automotive

Logistics

Sports and Events

Applications

Inventory and Logistics

Sports Timing

Supply Chain Management

RoHS

EU Directive 2011/65/EC and

Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Excellent global performance on difficult-to-tag materials

AD Dogbone® M700 inlays are designed for global supply chain, logistics, and sports timing applications. They excel through superior performance in demanding environments and on difficult-to-tag materials, due to their good tolerance against the detuning effect of high dielectric materials.

This product is equipped with the M730 IC from Impinj. The IC comes with 128-bit EPC memory and offers an enhanced “autotune” adaptive RF tuning feature. In addition, the IC has an improved read and write sensitivity, enabling faster and more accurate bulk reading compared to Impinj R6/R6-P.

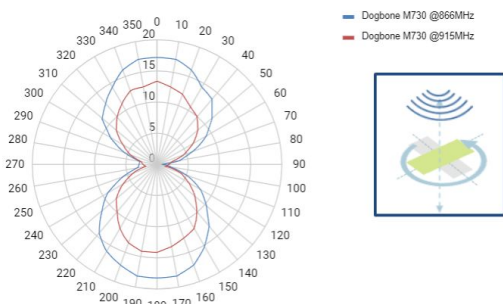
The M730 IC is compatible with the global GS1 UHF Gen2v2 standard and has a privacy mode that enables loss prevention and protects consumer privacy. AD Dogbone® M730 inlays have a size of 97 x 27 mm, which is optimized for 100 mm / 4 inch wide converted labels, and are available in dry, wet, and paper tag delivery formats.

AD Dogbone® M730 inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University.

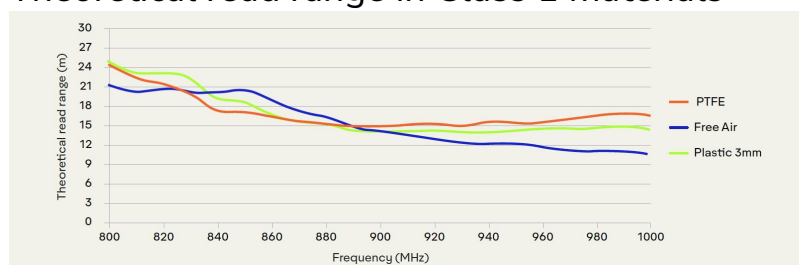
Technical features

Chip	Impinj M730		
EPC and User Memory	128-bit		
TID Memory	96 bits of Serialized TID with 48-bit serial number		
Product Code	3008223 / IL-604163	3008445 / IL-604318	3008054 / IL-604042
Delivery Format	Dry inlay	Wet Inlay	Label
Die-Cut Dimension	–	97 x 27 mm / 3.82 x 1.06 in	97 x 27 mm / 3.82 x 1.06 in
Inlay Substrate	PET	PET	PET
Face Sheet	-	-	Mid-gloss paper
Inlay Liner Material	-	Silicon liner	Silicon liner
Standard Pitch	30 mm / 1.18 in	30 mm / 1.18 in	30 mm / 1.18 in
Web Width	97 mm / 3.8 in 100 mm / 3,94 in	97 mm / 3.8 in 100 mm / 3,94 in	97 mm / 3.8 in 100 mm / 3,94 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	10,000 pcs/reel	10,000 pcs/reel	3,000 pcs/reel
Operating Temperature	-45 °C to 85 °C / -49 °F to 185 °F		

Orientation sensitivity



Theoretical read range in Class 1 materials



Theoretical read range in Class 2 materials

