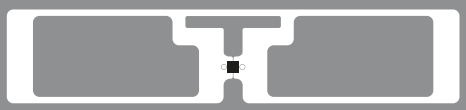


EOS-402 M730 Zero™ Max

TAGEOS

Datasheet

TAGEOS

Optimum Performance and Sustainability for Retail Applications

The EOS-402 M730 Zero Max inlay combines state-of-the-art sustainability with best-in-class global performance in a wide array of retail and supply chain management applications, including those involving boxed merchandise in distribution centers.

Plastic-free and based on FSC® paper, EOS-402 M730 Zero Max offers superior bulk reading characteristics in high-density, close proximity environments and complies with numerous retail-relevant ARC specifications such as F, G, H, I, J, K, L, N, O, Q, R, Y, B1, W1 - W6, emphasizing its applicational versatility.

The inlay uses the latest-technology Impinj M730 RAIN RFID chip. Equipped with 128-bit EPC memory, the IC provides high performance, fast inventory capability, and advanced features for next-generation, universal RAIN RFID tags.

The EOS-402 M730 inlay is available in dry and paper-face formats.

Tageos was one of the first companies to qualify for ARC Quality Certification for its manufacturing operations from Auburn University RFID Lab.

Like all Tageos' RFID products, EOS-402 M730 complies with ISO 9001:2015 Quality Management System and ISO 14001:20215 Environmental Management System as well as Environmental Directives RoHS and REACH, utilizing sustainable materials such as FSC® certified paper whenever possible.

Overview

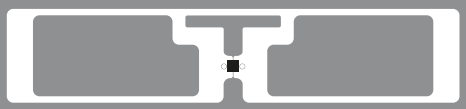
IC:	Impinj M730
EPC/User Memory:	128 bit / - bit
TID Memory:	96 bit incl. 48 bit unique S/N
Frequency Band:	860 - 960 MHz
Protocol:	EPC Class 1 Gen 2 - ISO 18000-6c

Application Areas

- Apparel
- Inventory Visibility
- Item Level Tagging
- Supply Chain Management

ARC QUALITY | 2023

IMPINJ CONNECTED



EOS-402 M730 Zero™ Max

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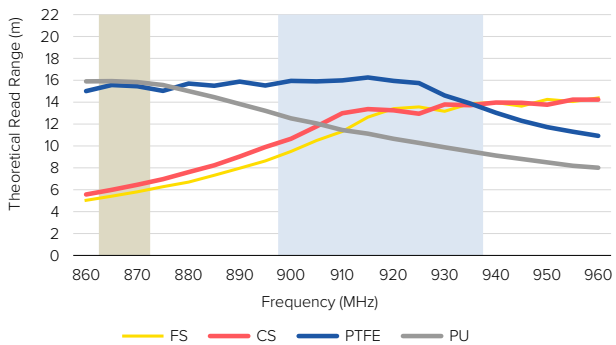
Technical Overview

	Dry	Paper-face
Product Code	4000000128	4000000129
Antenna Size	70 x 14.5 mm	70 x 14.5 mm
	2.76 x 0.57 in	2.76 x 0.57 in
Finish Size	-	73 x 17 mm
	-	2.87 x 0.67 in
Web Width	76.0 ± 1 mm	76.0 ± 1 mm
	2.992 ± 0.04 in	2.992 ± 0.04 in
Pitch	20.00 ± 0.2 mm	20.00 ± 1 mm
	0.788 ± 0.01 in	0.788 ± 0.04 in
Antenna Material	Aluminium	Aluminium
Front Face	-	Paper TT
Inlay Substrate	Paper	Paper
Inlay Adhesive	-	Permanent
Liner	-	Paper
Operating Temperature	-20°C / +50°C	-20°C / +50°C
	-4°F / +122°F	-4°F / +122°F
Final Inspection	100% tested	100% tested
ARC Approvals	F, G, H, I, J, K, L, N, O,	F, G, H, I, J, K, L, N, O,
	Q, R, Y, B1, W1 - W6	Q, R, Y, B1, W1 - W6

Read Range

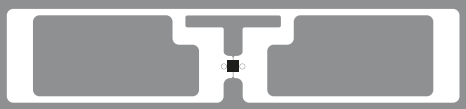


Contact:
Tageos SAS (HQ) . 1340 rue de Pinville . 34000 Montpellier . France . sales@tageos.com

RoHS compliant

REACH COMPLIANCE

Graphs: All the graphs are indicative: performance in real life applications may vary. The data has been determined based on calculations for transmitters with a normal output power level and respective IC silicon. **Storage & handling precautions:** Observe standard storage and handling practices to minimize Electro Static Discharge. Tageos reserves the right to change its products and services at any time without notice. As our products are used in circumstances beyond our control, we cannot be held liable for any damages caused through their use. This is a general purpose product not designed or intended for any specific application.



EOS-402 M730
Zero™ Max

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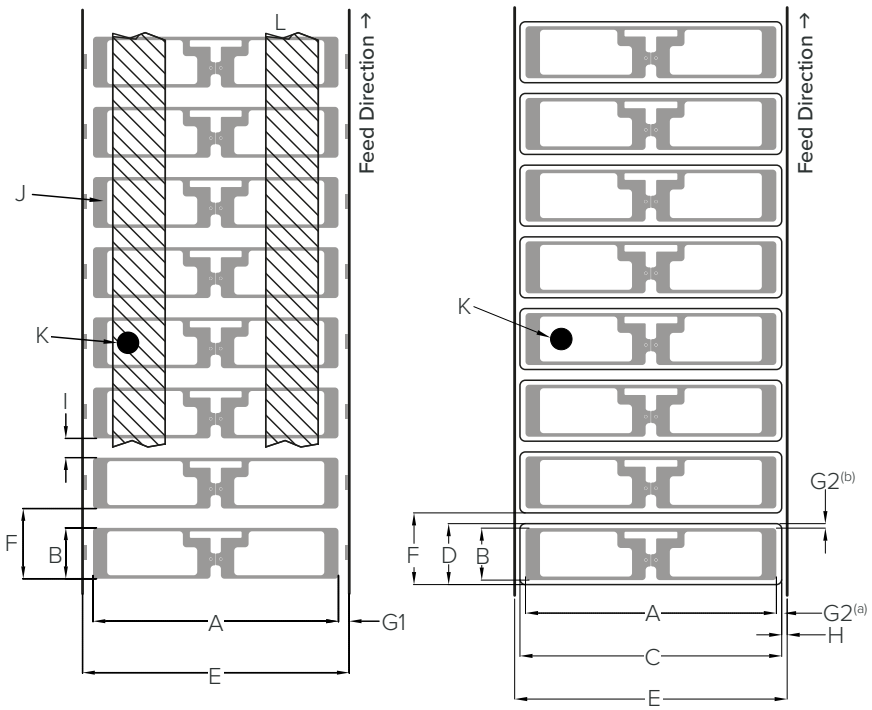
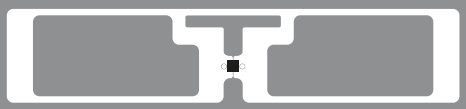
Product Specifications

Mechanical Dimensions



		Dry	Paper-face
Product Code		4000000128	4000000129
Antenna Size	A x B	70 x 14.5 mm / 2.76 x 0.57 in	70 x 14.5 mm / 2.76 x 0.57 in
Finish Size	C x D	-	73 x 17 mm / 2.87 x 0.67 in
Web Width	E	76.0 ± 1 mm / 2.992 ± 0.04 in	76.0 ± 1 mm / 2.992 ± 0.04 in
Pitch	F	20.00 ± 0.2 mm / 00.788± 0.01 in	20.00 ± 1 mm / 0.788 ± 0.04 in
Antenna to Web Edge	G1	3.1 ± 1 mm / 0.121 ± 0.04 in	-
Antenna to Die-cut	G2	-	1.5 ± 1 mm / 0.059 ± 0.04 in[(a)] 1.25 ± 1 mm / 0.049 ± 0.04 in[(b)]
Die-cut to Web Edge	H	-	1.5 ± 1 mm / 0.059 ± 0.04 in
Antenna Gap	I	5.50 mm / 0.217 in	-
Converting Spot	J	14.50 x 4.00 mm / 0.571 x 0.157 in, antenna section can be used	
Bad Mark	K	Ø 6.0 mm / 0.236 in	Ø 6.0 mm / 0.236 in
Interleaves	L	Yes	No



EOS-402 M730
Zero™ Max

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Packing Details

	Dry	Paper-face
Product Code	4000000128	4000000129
Delivery Format	Roll (single row)	Roll (single row)
Core Inner Diameter	76 mm / 2.99 in	76 mm / 2.99 in
Roll Outer Diameter	309 mm / 12.17 in	206 mm / 8.11 in
Unwinding Direction	Inlay on outside of roll	Inlay on outside of roll
Standard Roll Size	30 000	6 000
Min. Guar. Yield/Roll	98.5%	98.5%
Box Dimensions	39.5 x 39.0 x 17.0 cm /	26.0 x 26.0 x 37.0 cm /
	15.56 x 15.35 x 6.69 in	10.24 x 10.24 x 14.57 in
Roll/Box	1	4
Inlays/Box	30 000	24 000
Box Gross Weight	6.47 kg / 14.26 lbs	9.30 kg / 20.50 lbs
Pallet Dimensions	120 x 80 x 151 cm /	120 x 80 x 126 cm /
	47.2 x 31.5 x 59.4 in	47.2 x 31.5 x 49.6 in
Boxes/Pallet	48	36
Inlays/Pallet	1 440 000	864 000
Pallet Gross Weight	336 kg / 741 lbs	360 kg / 794 lbs

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RoHS compliant

REACH COMPLIANCE