

EOS-402 M730

TAGEOS

Datasheet

Streamlined, Versatile Solution for Global Retail and General Industrial Applications

With its compact, streamlined antenna design and the excellent global RF performance of its innovative IC, the EOS-402 M730 inlay is the product of choice for a wide range of applications. It comprises brand protection and inventory management for apparel, fashion items and homewares, as well as supply chain, logistics and general industrial tagging purposes.

EOS-402 M730 uses Impinj's Monza M730 IC with 128-bit EPC memory, which offers high performance, fast inventory capability, and advanced features for next-generation, universal RAIN RFID tags.

The inlay is available in dry, wet and paper-face format, making it the perfect basis for solutions that will satisfy the needs of the retail industry as well as many general industrial segments.



TAGEOS

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

EOS-402 M730 complies with ARC specifications F, G, H, I, K, N, O, Q, R, Y, B1 and W1, W2, W3, W4, W5, W6,

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

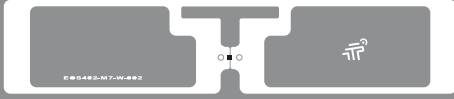
Overview

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



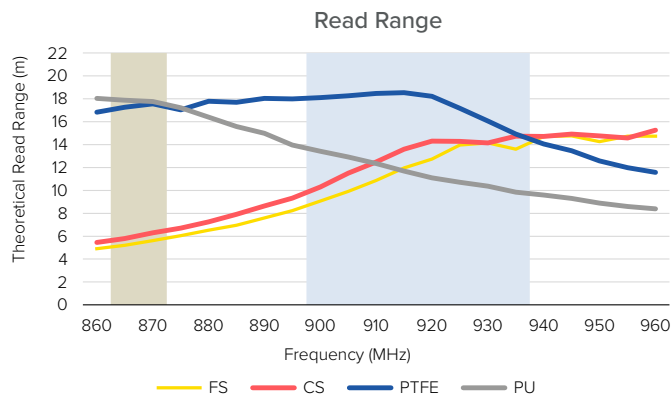


EOS-402 M730

TAGEOS

Technical Overview

	Dry	Wet	Paper-face
Product Code	4000000133	4000000134	4000000135
Antenna Size	70 x 14.50 mm 2.76 x 0.57 in	70 x 14.50 mm 2.76 x 0.57 in	70 x 14.50 mm 2.76 x 0.57 in
Finish Size	-	73 x 17 mm 2.87 x 0.67 in	73 x 17 mm 2.87 x 0.67 in
Web Width	76.0 ± 1 mm 2.992 ± 0.04 in	76.0 ± 1 mm 2.992 ± 0.04 in	76.0 ± 1 mm 2.992 ± 0.04 in
Pitch	20.00 ± 0.2 mm 0.787 ± 0.01 in	20.00 ± 1 mm 0.787 ± 0.04 in	20.00 ± 1 mm 0.787 ± 0.04 in
Antenna Material	Aluminium	Aluminium	Aluminium
Front Face	-	PET clear	Paper TT
Inlay Substrate	PET clear	PET clear	PET clear
Inlay Adhesive	-	Permanent	Permanent
Liner	-	Paper	Paper
Operating Temperature	-40°C / +85°C -40°F / +185°F	-40°C / +85°C -40°F / +185°F	-40°C / +85°C -40°F / +185°F
Final Inspection	100% tested	100% tested	100% tested
ARC Approvals	F, G, H, I, K, N, O, Q, R, Y, B1, W1, W2, W3, W4, W5, W6	F, G, H, I, K, N, O, Q, R, Y, B1, W1, W2, W3, W4, W5, W6	F, G, H, I, K, N, O, Q, R, Y, B1, W1, W2, W3, W4, W5, W6



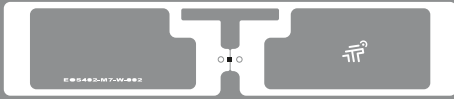
Contact:

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



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.

© 2023 Tageos All rights reserved. The pictures and illustrations found on this document are for illustration purposes only, and do not necessarily represent the exact products. Tageos is a registered trademark. All other trademarks are the property of their respective owners. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use.

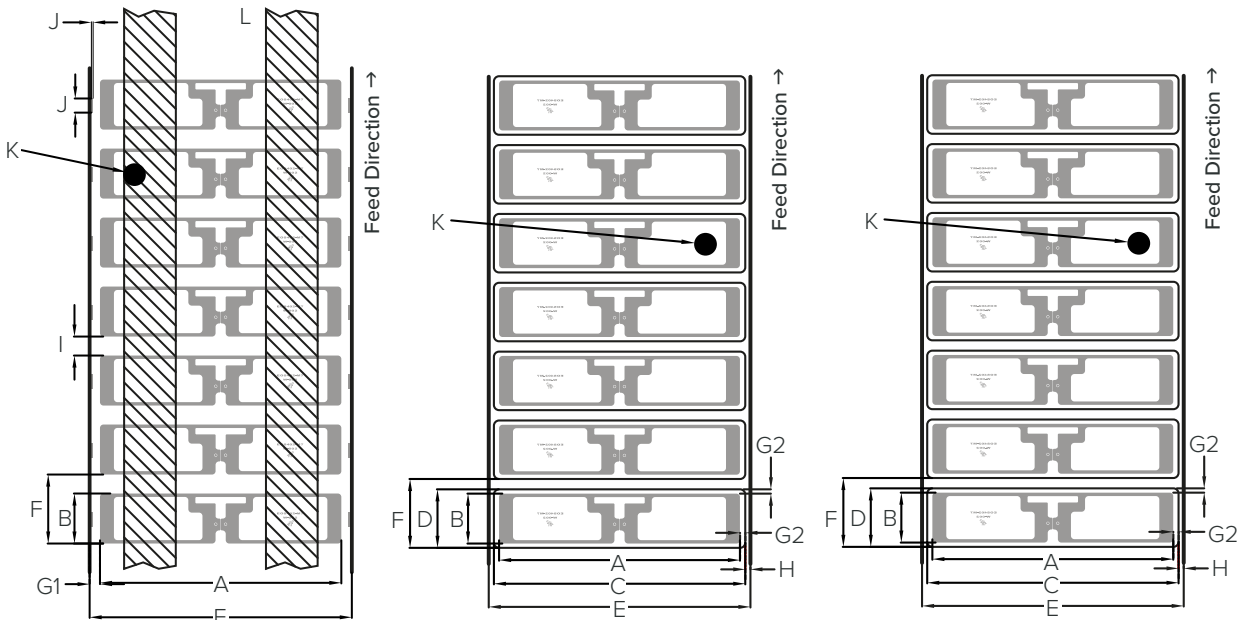


EOS-402 M730

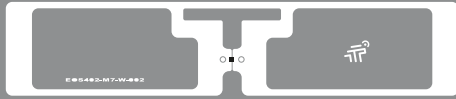
TAGEOS

Product Specifications

Mechanical Dimensions



	Dry	Wet	Paper-face
Product Code	400000133	400000134	400000135
Antenna Size	A x B 70 x 14.50 mm / 2.76 x 0.57 in	70 x 14.50 mm / 2.76 x 0.57 in	70 x 14.50 mm / 2.76 x 0.57 in
Finish Size	C x D -	73 x 17 mm / 2.87 x 0.67 in	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	76.0 ± 1 mm / 2.992 ± 0.04 in
Pitch	F 20.00 ± 0.2 mm / 0.787 ± 0.01 in	20.00 ± 1 mm / 0.787 ± 0.04 in	20.00 ± 1 mm / 0.787 ± 0.04 in
Antenna to Web Edge	G1 3.0 ± 1 mm / 0.118 ± 0.04 in	-	-
Antenna to Die-cut	G2 -	1.3 ± 1 mm / 0.051 ± 0.04 in ^(a) 1.5 ± 1 mm / 0.059 ± 0.04 in ^(b)	1.3 ± 1 mm / 0.051 ± 0.04 in ^(a) 1.5 ± 1 mm / 0.059 ± 0.04 in ^(b)
Die-cut to Web Edge	H -	1.5 ± 1 mm / 0.059 ± 0.04 in	1.5 ± 1 mm / 0.059 ± 0.04 in
Antenna Gap	I 5.50 mm / 0.217 in	-	-
Converting Spot	J 4.10 x 0.50 mm / 0.161 x 0.020 in	-	-
Bad Mark	K Ø 6.0 mm / 0.236 in	Ø 6.0 mm / 0.236 in	Ø 6.0 mm / 0.236 in
Interleaves	L Yes	No	No



EOS-402 M730

T A G E O S

Packing Details

	Dry	Wet	Paper-face
Product Code	4000000133	4000000134	4000000135
Delivery Format	Roll (single row)	Roll (single row)	Roll (single row)
Core Inner Diameter	76 mm / 2.99 in	76 mm / 2.99 in	76 mm / 2.99 in
Roll Outer Diameter	289 mm / 11.38 in	329 mm / 12.95 in	196 mm / 7.72 in
Unwinding Direction	Inlay on outside of roll	Inlay on outside of roll	Inlay on outside of roll
Standard Roll Size	30 000	23 000	5 000
Min. Guar. Yield/Roll	98.5%	98.5%	98.5%
Box Dimensions	39.5 x 39.0 x 17.0 cm / 15.56 x 15.35 x 6.69 in	39.5 x 39.0 x 17.0 cm / 15.56 x 15.35 x 6.69 in	26.0 x 26.0 x 37.0 cm / 10.24 x 10.24 x 14.57 in
Roll/Box	1	1	4
Inlays/Box	30 000	23 000	20 000
Box Gross Weight	5.11 kg / 11.27 lbs	7.16 kg / 15.79 lbs	8.38 kg / 18.47 lbs
Pallet Dimensions	120 x 80 x 151 cm / 47.2 x 31.5 x 59.4 in	120 x 80 x 151 cm / 47.2 x 31.5 x 59.4 in	120 x 80 x 126 cm / 47.2 x 31.5 x 49.6 in
Boxes/Pallet	48	48	36
Inlays/Pallet	1 440 000	1 104 000	720 000
Pallet Gross Weight	270 kg / 595 lbs	369kg / 814 lbs	327 kg / 721 lbs

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



© 2023 Tageos All rights reserved. The pictures and illustrations found on this document are for illustration purposes only, and do not necessarily represent the exact products. Tageos is a registered trademark. All other trademarks are the property of their respective owners. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use.