

EOS-402 M730

# TAGEOS

## Datasheet

### Streamlined, Versatile Solution for Global Retail and General Industrial Applications



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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.

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

EOS-402 M730 is equipped with 128-bit EPC memory, the inlays' Impinj M730 RAIN RFID chip provides high performance, fast inventory capability, and advanced features for next-generation, universal RAIN RFID tags. The IC is particularly suitable for

solutions that include high-speed inventory counting, loss prevention with frictionless self-checkout, and embedded tagging with seamless product returns.

Tageos maintains annual ARC Quality Certification for all its manufacturing sites worldwide and was among the first companies to receive certification from the Auburn University RFID Lab in 2020.

EOS-402 M730 complies with ARC specifications F, H, I, O, Q, R, Y2, W5 and W6.

Tageos complies with ISO 9001:2025 Quality Management and ISO 14001:2015 Environmental Management as well as utilizing sustainable manufacturing processes and materials, such as FSC®-certified paper, whenever possible. In addition, all Tageos products meet the RoHS and REACH environmental directives.

#### Overview

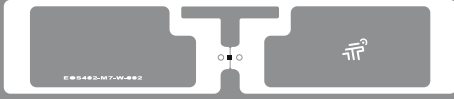
IC:	Impinj M730
EPC/User Memory:	128 bit / - bit
TID Memory:	96 bit incl. 48 bit unique S/N
Frequency Band:	860 - 960 MHz
Protocol:	EPC Class 1 Gen 2 - ISO 18000-63

#### Application Areas

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



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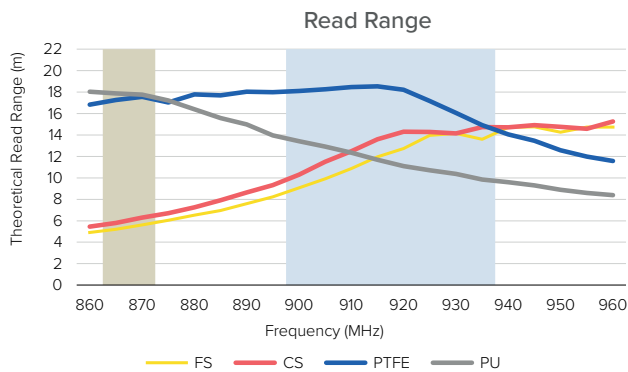


# EOS-402 M730

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### 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
ARC Approval	F, H, I, O, Q, R, Y2, W5, W6	F, H, I, O, Q, R, Y2, W5, W6	F, H, I, O, Q, R, Y2, W5, W6
FSC® Certification	-	-	-
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 @20% to 90% RH	-40°C / +85°C   -40°F / +185°F @20% to 90% RH	-40°C / +85°C   -40°F / +185°F @20% to 90% RH
Shelf Life	2 years @ +25°C/40%RH	2 years @ +25°C/40%RH	2 years @ +25°C/40%RH
Final Inspection	100% tested	100% tested	100% tested

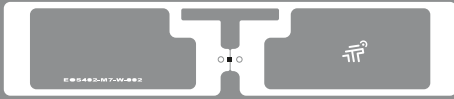


#### Contact:

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**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.

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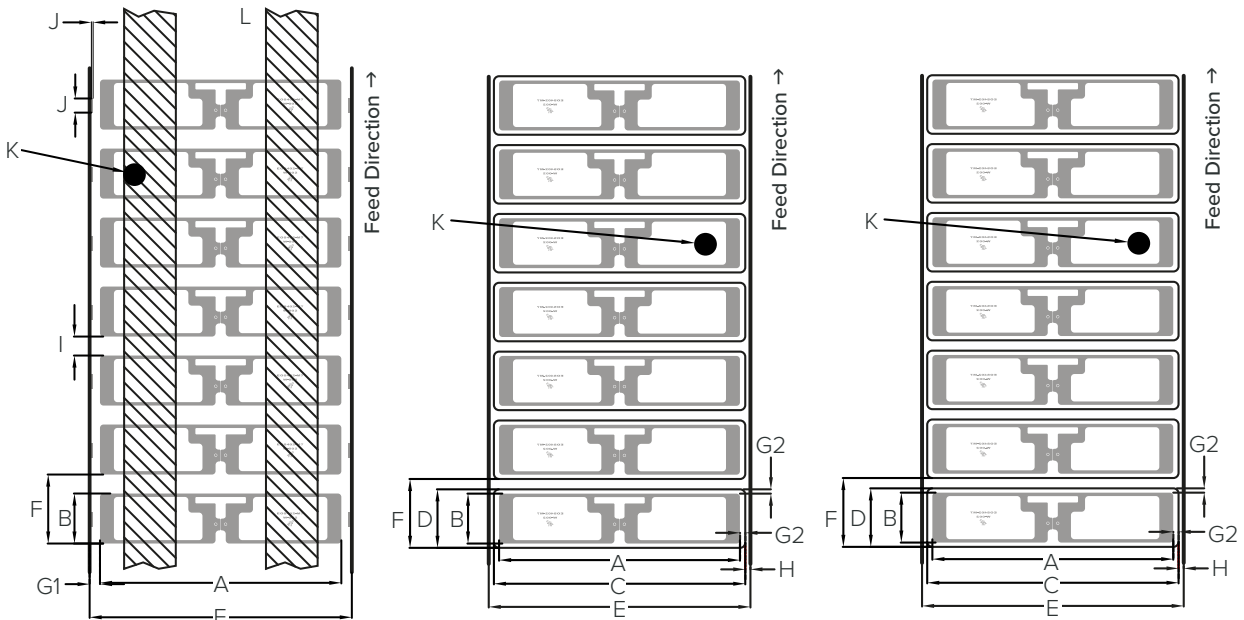


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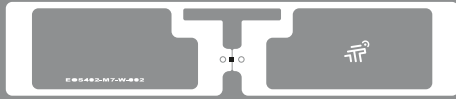
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## Product Specifications

### 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 <sup>(a)</sup> 1.5 ± 1 mm / 0.059 ± 0.04 in <sup>(b)</sup>	1.3 ± 1 mm / 0.051 ± 0.04 in <sup>(a)</sup> 1.5 ± 1 mm / 0.059 ± 0.04 in <sup>(b)</sup>
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



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## 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 (-0% +1.5%)	23 000 (-0% +1.5%)	5 000 (-0% +1.5%)
Min. Guar. Yield/Roll	99%	99%	99%
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:**

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