

EOS-260 M730

T A G E O S

Datasheet

Superior Performance for Item-Level Retail and Logistics

EOS-260 M730 inlay from Tageos is perfectly suited for applications related to item-level retail, retail apparel, and logistics packages. Leveraging the performance of the Impinj M730 IC, the RAIN RFID inlay features faster read speeds at longer ranges on a wide range of materials.

EOS-260 M730 inlays are available in dry, wet, and paper-face formats.

Equipped with 128-bit EPC memory, the Impinj M730 RAIN RFID chip provides high performance, fast inventory capability, and advanced features for next-generation, universal RAIN RFID tags. It lends itself to solutions that include high-speed inventory counting, loss prevention with frictionless self-checkout, and embedded tagging with seamless product returns.



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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-260 M730 complies with ARC specifications F, I, L, Q, and W5.

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

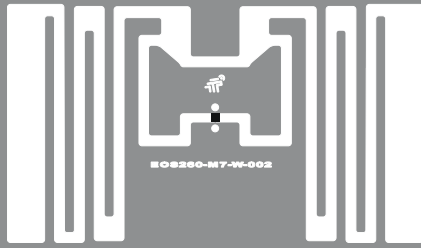
IC:	Impinj M730
EPC/User Memory:	128 bit / - bit
TID Memory:	96 bit incl. 48 bit unique S/N
Frequency Band:	860 - 960 MHz
Protocol:	EPC Class 1 Gen 2 ISO 18000-63

Application Areas

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



The mark of responsible forestry
FSC® C166692

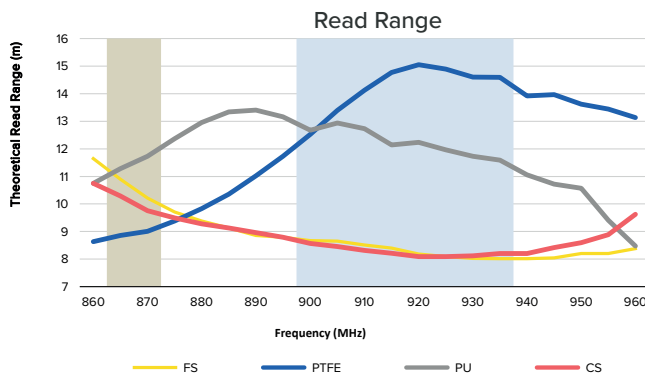


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Technical Overview

	Dry	Wet	Paper-face
Product Code	2600000016	2600000013	2600000014
Antenna Size	42 x 24 mm 1.65 x 0.95 in	42 x 24 mm 1.65 x 0.95 in	42 x 24 mm 1.65 x 0.95 in
Finish Size	-	45 x 27 mm 1.77 x 1.06 in	45 x 27 mm 1.77 x 1.06 in
Web Width	48.0 ± 1 mm 1.890 ± 0.04 in	48.0 ± 1 mm 1.890 ± 0.04 in	48.0 ± 1 mm 1.890 ± 0.04 in
Pitch	30.04 ± 0.2 mm 1.183 ± 0.01 in	30.04 ± 1 mm 1.183 ± 0.04 in	30.04 ± 1 mm 1.183 ± 0.04 in
ARC Approval	F, I, L, Q, W5	F, I, L, Q, W5	F, I, L, Q, W5
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 Time	2 years at +25°C @40% RH	2 years at +25°C @40% RH	2 years at +25°C @40% RH
Final Inspection	100% tested	100% tested	100% tested

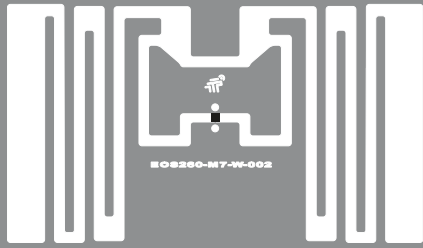


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Graphs: All the graphs are indicative; performance in real life applications may vary. The data has been determined based on calculations for transmitters with a normal output power level and respective IC silicon. **Storage & handling precautions:** 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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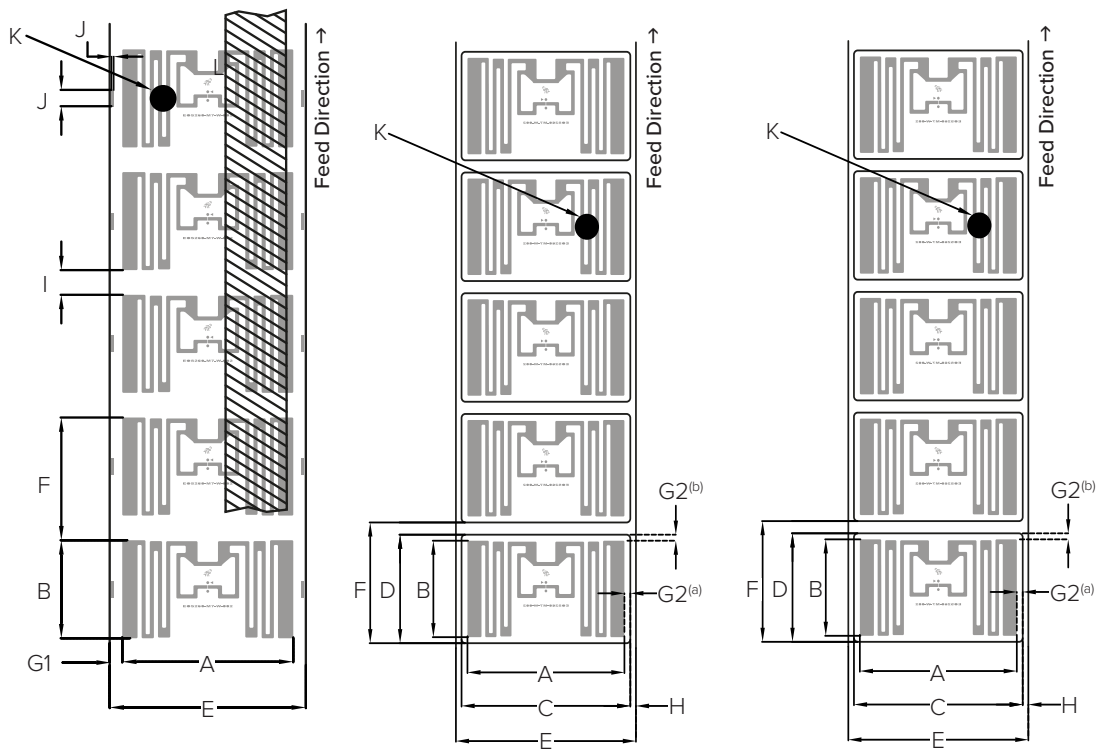


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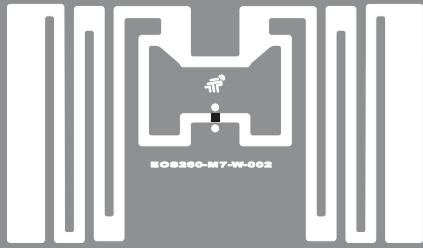
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Product Specifications

Mechanical Dimensions



	Dry	Wet	Paper-face
Product Code	2600000016	2600000013	2600000014
Antenna Size	A x B 42 x 24 mm / 1.65 x 0.95 in	42 x 24 mm / 1.65 x 0.95 in	42 x 24 mm / 1.65 x 0.95 in
Finish Size	C x D -	45 x 27 mm / 1.77 x 1.06 in	45 x 27 mm / 1.77 x 1.06 in
Web Width	E 48.0 ± 1 mm / 1.890 ± 0.04 in	48.0 ± 1 mm / 1.890 ± 0.04 in	48.0 ± 1 mm / 1.890 ± 0.04 in
Pitch	F 30.04 ± 0.2 mm / 1.183 ± 0.01 in	30.04 ± 1 mm / 1.183 ± 0.04 in	30.04 ± 1 mm / 1.183 ± 0.04 in
Antenna to Web Edge	G1 3.1 mm ± 1 / 0.121 in ± 0.04 in	-	-
Antenna to Die-cut	G2 -	1.6 ± 1 mm / 0.062 ± 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 6.04 mm / 0.238 in	-	-
Converting Spot	J 24 x 3.74 mm / 0.945 x 0.146 in	-	-
	*antenna section can be used		
Bad Mark	K Ø 6 mm / 0.236 in	Ø 6 mm / 0.236 in	Ø 6 mm / 0.236 in
Interleaves	L yes	no	no



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Packing Details

	Dry	Wet	Paper-face
Product Code	2600000016	2600000013	2600000014
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	290 mm / 11.42 in	336 mm / 13.23 in	200 mm / 7.87 in
Unwinding Direction	Inlay on outside of roll	Inlay on outside of roll	Inlay on outside of roll
Standard Roll Size	20 000 (-0% +1.5%)	16 000 (-0% +1.5%)	3 500 (-0% +1.5%)
Minimum Roll Yield	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	2	2	6
Inlays/Box	40 000	32 000	21 000
Box Gross Weight	6.10 kg / 13.45 lbs	9.38 kg / 20.68 lbs	8.60 kg / 18.96 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	1 920 000	1 536 000	756 000
Pallet Gross Weight	318 kg / 701 lbs	475 kg / 1047 lbs	335 kg / 739 lbs

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