



EOS-430 M730

# T A G E O S

## Datasheet

### Versatile and High-Performance Solution for Retail and Beyond

EOS-430 M730 global inlay combines moderate size with outstanding robust performance on a wide range of surfaces. This inlay is the product of choice for a wide range of applications such as retail, food and quick service restaurants, as well as logistics and general industrial segments. Hence, it is ideally suited for inventory visibility and item-level tagging.

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.

EOS-430 M730 complies with global frequency standards and is available in paper-face format.

Tageos was one of the first companies to qualify for ARC Quality Certification for its manufacturing operations from Auburn University RFID Lab. EOS-430 M730 complies with ARC specification F, G, I, J, K, L, N, O, Q, R, Y, Y2 and W1, W2, W3, W4, W5, and W6.

Like all Tageos' RFID products, it 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.



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#### 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
- Logistics
- Supply Chain Management



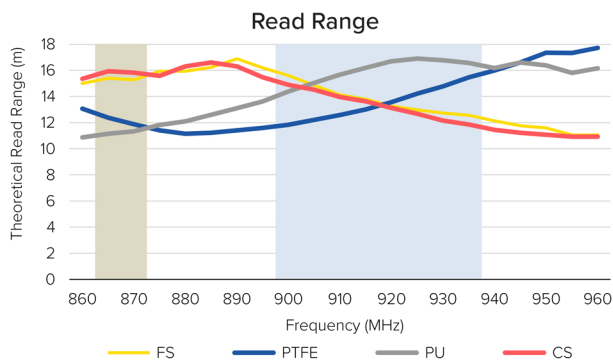


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## Technical Overview

	Paper-face Inlay	Paper-face Inlay
Product Code	4300000048	4300000047
Antenna Size	70 x 8 mm 2.76 x 0.31 in	70 x 8 mm 2.76 x 0.31 in
Finish Size	74 x 17 mm 2.91 x 0.67 in	74 x 12 mm 2.91 x 0.47 in
Web Width	80 ± 1 mm 3.15 ± 0.04 in	80 ± 1 mm 3.15 ± 0.04 in
Pitch	20 ± 0.5 mm 0.79 x 0.02 in	20 ± 0.5 mm 0.79 x 0.02 in
Antenna Material	Aluminium	Aluminium
Front Face	TT Paper	TT Paper
Inlay Substrate	Clear PET	Clear PET
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
Final Inspection	100% tested	100% tested
ARC Approvals	F, G, I, J, K, L, N, O, Q, R, Y, Y2; W1, W2, W3, W4, W5, W6	F, G, I, J, K, L, N, O, Q, R, Y, Y2; W1, W2, W3, W4, W5, W6



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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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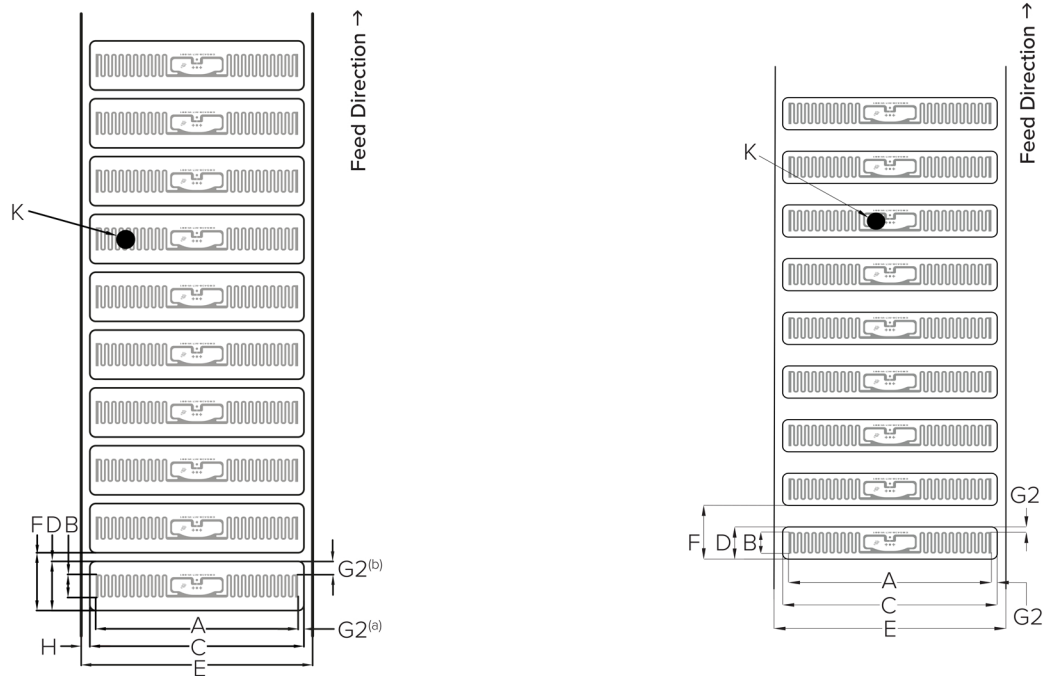


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## Product Specifications

### Mechanical Dimensions



	Paper-face Inlay		Paper-face Inlay	
Product Code	4300000048		4300000047	
Antenna Size	A x B	70 x 8 mm / 2.76 x 0.31 in	70 x 8 mm / 2.76 x 0.31 in	
Finish Size	C x D	74 x 17 mm / 2.91 x 0.67 in	74 x 12 mm / 2.91 x 0.47 in	
Web Width	E	80 ± 1 mm / 3.15 ± 0.04 in	80 ± 1 mm / 3.15 ± 0.04 in	
Pitch	F	20 ± 0.5 mm / 0.79 x 0.02 in	20 ± 0.5 mm / 0.79 x 0.02 in	
Antenna to Web Edge	G1	-	-	-
Antenna to Die-cut	G2	2 ± 1 mm / 0.08 ± 0.04 in <sup>(a)</sup>	4.5 ± 1 mm / 0.18 ± 0.04 in <sup>(b)</sup>	2 ± 1 mm / 0.08 ± 0.04 in
Die-cut to Web Edge	H	3 ± 1 mm / 0.12 ± 0.04 in	3 ± 1 mm / 0.12 ± 0.04 in	
Antenna Gap	I	-	-	-
Converting Spot	J	-	-	-
Bad Mark	K	∅ 6 mm / 0.24 in	∅ 6 mm / 0.24 in	
Interleaves	L	No	no	



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## Packing Details

	Paper-face Inlay	Paper-face Inlay
Product Code	4300000048	4300000047
Delivery Format	Roll (single row)	Roll (single row)
Core Inner Diameter	76 mm / 3 in	76 mm / 3 in
Roll Outer Diameter	196 mm / 7.72 in	196 mm / 7.72 in
Unwinding Direction	Inlay on outside of roll	Inlay on outside of roll
Standard Roll Size	5 000	5 000
Min. Guar. Yield/Roll	98.5%	98.5%
Box Dimensions	26 x 26 x 37 cm 10.24 x 10.24 x 14.57 in	26 x 26 x 37 cm 10.24 x 10.24 x 14.57 in
Roll/Box	4	4
Inlays/Box	20 000	20 000
Box Gross Weight	8.63 kg / 19.03 lbs	6.98 kg / 15.39 lbs
Pallet Dimensions	120 x 80 x 126 cm 47.2 x 31.5 x 49.6 in	120 x 80 x 126 cm 47.2 x 31.5 x 49.6 in
Boxes/Pallet	36	36
Inlays/Pallet	720 000	720 000
Pallet Gross Weight	336 kg / 741 lbs	276 kg / 608 lbs

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