



EOS-430 M830

TAGEOS

Datasheet



TAGEOS

Versatile and High-Performance Solution for Retail and Beyond

The EOS-430 M830 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.

EOS-430 M830 is available in paper-face delivery format.

The inlay is based on Impinj's M830 RAIN RFID IC with 128-bit EPC memory. The IC combines improved read sensitivity (-1.5 dB, compared to M730), AutoTune™ performance, and backscatter efficiency with a size reduction to support Tageos' sustainability approach. As a result, the IC sets standards in solutions like 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 manufacturing sites worldwide and was among the first companies to receive certification from the Auburn University RFID Lab in 2020.

EOS-430 M830 complies with ARC specifications F, I, L, O, Q, R, Y2, W5 and W6.

In addition, all Tageos products meet the RoHS and REACH environmental directives.

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.

Overview

IC:	Impinj M830
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



EOS-430 M830

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Technical Overview

	Paper-face
Product Code	4300000097
Antenna Size	70 x 8 mm 2.76 x 0.31 in
Finish Size	74 x 17 mm 2.91 x 0.67 in
Web Width	80.00 ± 1 mm 3.150 ± 0.04 in
Pitch	20.00 ± 1 mm 0.787 ± 0.04 in
ARC Approval	F, I, L, O, Q, R, Y2, W5, W6
FSC® Certification	-
Antenna Material	Aluminium
Front Face	Paper TT
Inlay Substrate	PET Clear 50µm
Inlay Adhesive	permanent
Liner	Paper
Operating Temperature	-40°C / +85°C -40°F / +185°F @20% to 90% RH
Shelf Life	2 years @ +25°C/40%RH
Final Inspection	100% tested



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.

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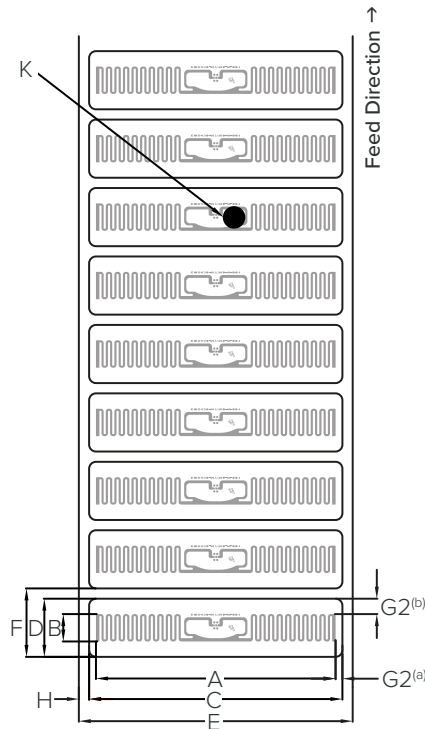


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Product Specifications

Mechanical Dimensions



Paper-face

Product Code	4300000097	
Antenna Size	A x B 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	
Web Width	E	80.00 ± 1 mm / 3.150 ± 0.04 in
Pitch	F	20.00 ± 1 mm / 0.787 ± 0.04 in
Antenna to Web Edge	G1	-
Antenna to Die-cut	G2	2.0 ± 1 mm / 0.079 ± 0.04 in ^(a) 4.5 ± 1 mm / 0.177 ± 0.04 in ^(b)
Die-cut to Web Edge	H	3.0 ± 1 mm / 0.118 ± 0.04 in
Antenna Gap	I	-
Converting Spot	J	-
Bad Mark	K	Ø 6.0 mm / 0.236 in
Interleaves	L	No



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Packing Details

	Paper-face
Product Code	4300000097
Delivery Format	Roll (single row)
Core Inner Diameter	76 mm / 2.99 in
Roll Outer Diameter	196 mm / 7.72 in
Unwinding Direction	Inlay on outside of roll
Standard Roll Size	5 000 (-0% +1.5%)
Min. Guar. Yield/Roll	99%
Box Dimensions	26.0 x 26.0 x 37.0 cm / 10.24 x 10.24 x 14.57 in
Roll/Box	4
Inlays/Box	20 000
Box Gross Weight	8.62 kg / 19.01 lbs
Pallet Dimensions	120 x 80 x 126 cm / 47.2 x 31.5 x 49.6 in
Boxes/Pallet	36
Inlays/Pallet	720 000
Pallet Gross Weight	335 kg / 739 lbs

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