



EOS-240 M830

TAGEOS

Datasheet

Highly Efficient Inlay for Retail Applications

The EOS-240 M830 inlay is optimized within a small footprint to offer excellent performance in inventory management applications in retail and beyond. It is an ideal low-cost, high-value solution for non-food industries. With its small size, the EOS-240 M830 is well-suited for applications like retail apparel, cosmetics, accessories/sunglasses, jewelry, and pharmaceuticals.

EOS-240 M830 available in dry, 8up wide web delivery format.

The EOS-240 M830 is based on Impinj's M830 RAIN RFID IC with 128-bit EPC memory. It combines enhanced read sensitivity, AutoTune™ performance, and backscatter efficiency with Impinj Gen2X enhancements to the radio and logical layers of the RAIN radio standard that speed inventory counts, increase tag read range, and declutter the



TAGEOS

tag environment. 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 ARC Quality Certification for all its manufacturing sites worldwide and is one of the first companies to be certified by Auburn University's RFID Lab since 2020.

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

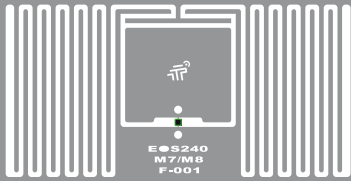
IC:	Impinj M830
EPC/User Memory:	128 bit / - bit
TID Memory:	96 bit incl. 48 bit unique S/N
Frequency Band:	860 - 960 MHz (FCC)
Protocol:	EPC Class 1 Gen 2 - ISO 18000-63

Application Areas

- Apparel
- Inventory Visibility
- Item Level Tagging
- Pharma & Healthcare
- Supply Chain Management



The mark of
responsible forestry
FSC® C166692



EOS-240 M830

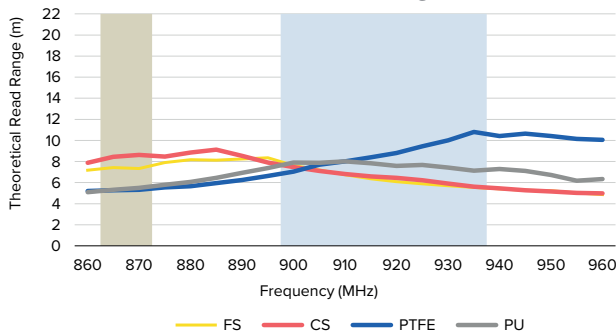
TAGEOS

Technical Overview

Dry - 8up

Product Code	2400000338	
Antenna Size	30 x 15 mm 1.18 x 0.59 in	
Finish Size	-	
Web Width	340.00 ± 1 mm 13.386 ± 0.04 in	
Pitch	23.53 ± 0.2 mm 0.926 ± 0.01 in	40.00 ± 0.2 mm 1.575 ± 0.01 in
ARC Approval	-	
FSC® Certification	-	
Antenna Material	Aluminium	
Front Face	-	
Inlay Substrate	PET Clear 50µm	
Inlay Adhesive	-	
Liner	-	
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	

Read Range



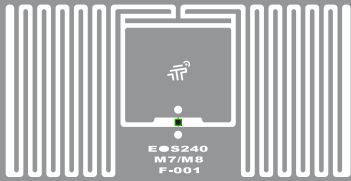
Contact:

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.

© 2026 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, EOS and EOS Zero are registered trademarks. 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.

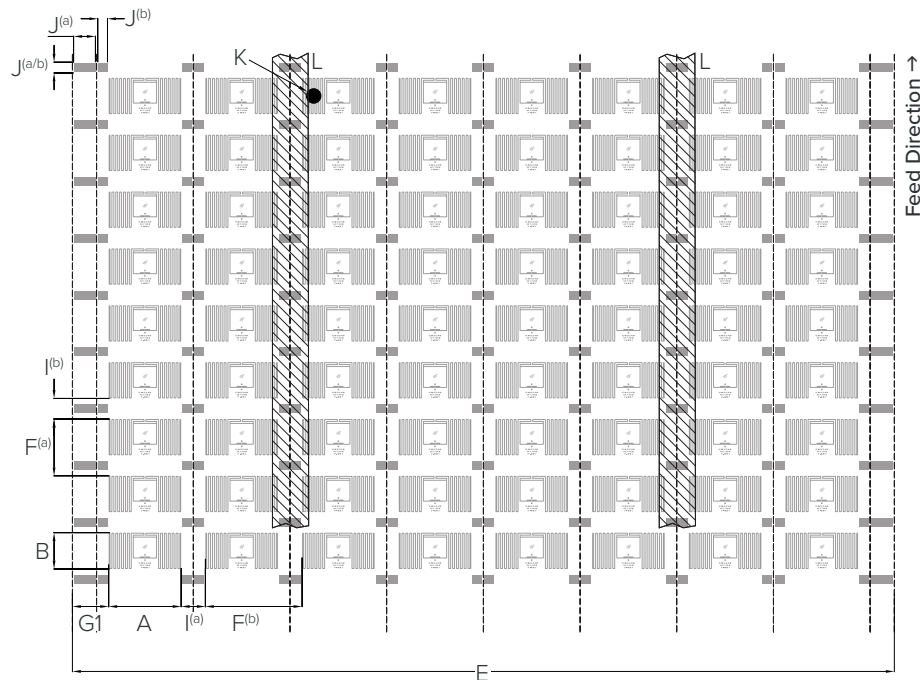


EOS-240 M830

TAGEOS

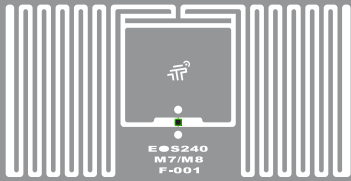
Product Specifications

Mechanical Dimensions



Dry - 8up

Product Code	2400000338	
Antenna Size	A x B 30 x 15 mm / 1.18 x 0.59 in	
Finish Size	C x D - / -	
Web Width	E	340.00 ± 1 mm / 13.386 ± 0.04 in
Pitch	F	23.53 ± 0.2 mm / 0.926 ± 0.01 in ^(a) 40.00 ± 0.2 mm / 1.575 ± 0.01 in ^(b)
Antenna to Web Edge	G1	15.0 ± 1 mm / 0.591 ± 0.04 in
Antenna to Die-cut	G2	-
Die-cut to Web Edge	H	-
Antenna Gap	I	10.00 mm / 0.394 in ^(a) 8.53 mm / 0.336 in ^(b)
Converting Spot	J	9.00 x 4.50 mm / 0.354 x 0.177 in ^(a) 4.00 x 4.50 mm / 0.157 x 0.177 in ^(b)
Bad Mark	K	Ø 6.0 mm / 0.236 in
Interleaves	L	Yes



EOS-240 M830

TAGEOS

Packing Details

Dry - 8up

Product Code	2400000338
Delivery Format	Roll (Multi row)
Core Inner Diameter	76 mm / 2.99 in
Roll Outer Diameter	282 mm / 11.1 in
Unwinding Direction	Inlay on outside of roll
Standard Roll Size	192 000 (-0% +1.5%)
Min. Guar. Yield/Roll	99%
Box Dimensions	38.5 x 38.5 x 37.0 cm / 15.16 x 15.16 x 14.57 in
Roll/Box	1
Inlays/Box	192 000
Box Gross Weight	17.83 kg / 39.31 lbs
Pallet Dimensions	120 x 80 x 126 cm / 47.2 x 31.5 x 49.6 in
Boxes/Pallet	18
Inlays/Pallet	3 456 000
Pallet Gross Weight	346 kg / 763 lbs

Contact:

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



© 2026 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, EOS and EOS Zero are registered trademarks. 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.