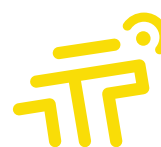


EOS-261 M830

TAGEOS

Datasheet



TAGEOS

Compact and High-Performing Solution for Retail and Beyond

The EOS-261 M830 inlay combines a remarkably small footprint with further enhanced performance on various materials due to the latest generation IC technology. It is an optimum solution for many item-level applications in retail (apparel, accessories, consumer electronics, home goods, toys, ...), logistics, automotive and industrial manufacturing.

EOS-261 M830 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.

EOS-261 M830 is available in dry, wet, and paper-face delivery formats.

Tageos was one of the first companies to qualify for ARC Quality Certification for its manufacturing operations from Auburn University RFID Lab. EOS-261 M830 complies with ARC specifications F, I, O, Q, R, W5, W6, Y2.

Like all Tageos' RFID inlays and tags, EOS-261 M830 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 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
- Pharma & Healthcare
- Supply Chain Management



The mark of
responsible forestry
FSC® C166692



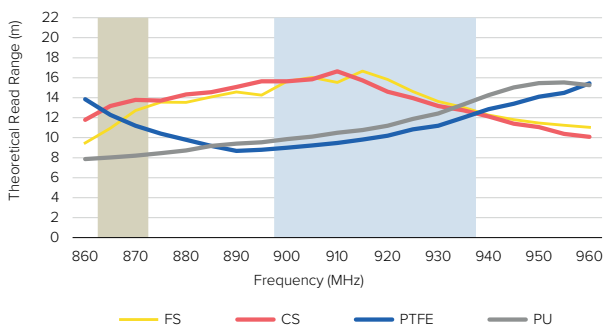
EOS-261 M830

T A G E O S

Technical Overview

	Dry	Wet	Paper-face
Product Code	2600000065	2600000066	2600000067
Antenna Size	44 x 20 mm 1.73 x 0.79 in	44 x 20 mm 1.73 x 0.79 in	44 x 20 mm 1.73 x 0.79 in
Finish Size	-	47 x 23 mm 1.85 x 0.91 in	47 x 23 mm 1.85 x 0.91 in
Web Width	50.00 ± 1 mm 1.969 ± 0.04 in	50.00 ± 1 mm 1.969 ± 0.04 in	50.00 ± 1 mm 1.969 ± 0.04 in
Pitch	26.04 ± 0.2 mm 1.025 ± 0.01 in	26.04 ± 1 mm 1.025 ± 0.04 in	26.04 ± 1 mm 1.025 ± 0.04 in
ARC Approval	F, I, O, Q, R, W5, W6, Y2	F, I, O, Q, R, W5, W6, Y2	F, I, O, Q, R, W5, W6, Y2
FSC® Certification	-	-	-
Antenna Material	Aluminium	Aluminium	Aluminium
Front Face	-	PET clear	Paper TT
Inlay Substrate	PET Clear 50µm	PET Clear 50µm	PET Clear 50µm
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

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.

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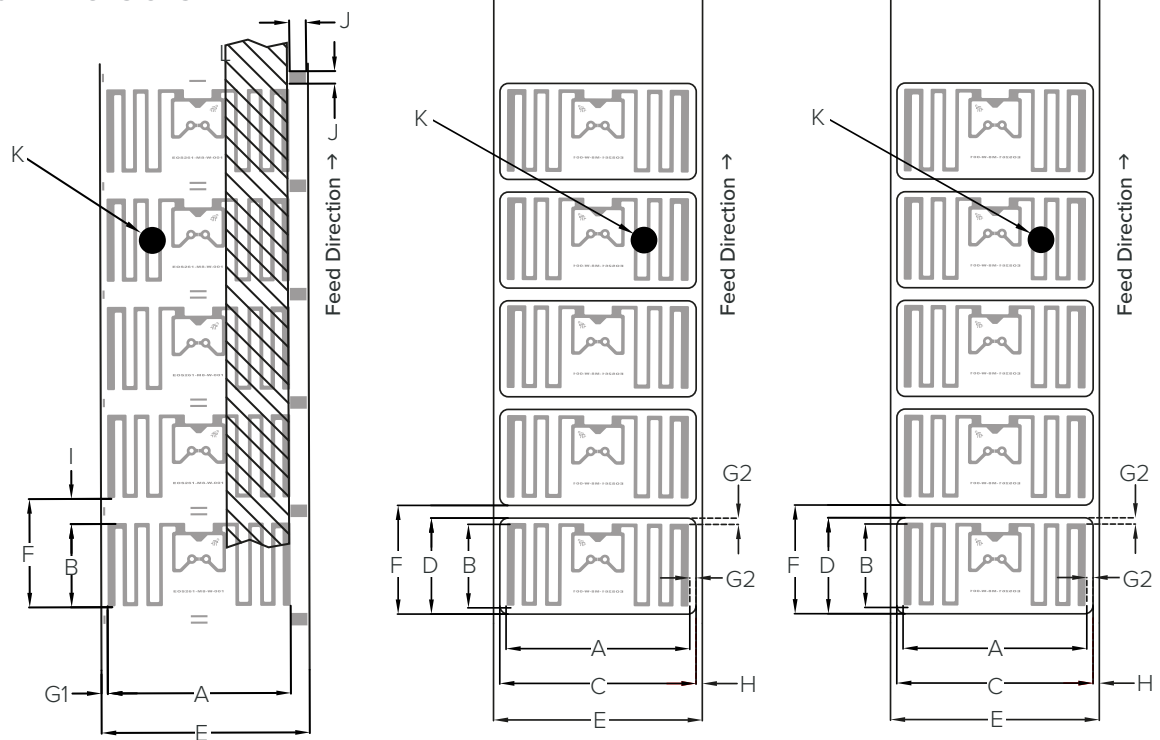


EOS-261 M830

TAGEOS

Product Specifications

Mechanical Dimensions



	Dry	Wet	Paper-face
Product Code	2600000065	2600000066	2600000067
Antenna Size	A x B 44 x 20 mm / 1.73 x 0.79 in	44 x 20 mm / 1.73 x 0.79 in	44 x 20 mm / 1.73 x 0.79 in
Finish Size	C x D - / -	47 x 23 mm / 1.85 x 0.91 in	47 x 23 mm / 1.85 x 0.91 in
Web Width	E 50.00 ± 1 mm / 1.969 ± 0.04 in	50.00 ± 1 mm / 1.969 ± 0.04 in	50.00 ± 1 mm / 1.969 ± 0.04 in
Pitch	F 26.04 ± 0.2 mm / 1.025 ± 0.01 in	26.04 ± 1 mm / 1.025 ± 0.04 in	26.04 ± 1 mm / 1.025 ± 0.04 in
Antenna to Web Edge	G1 1.5 ± 1 mm / 0.059 ± 0.04 in	-	-
Antenna to Die-cut	G2 -	1.5 ± 1 mm / 0.059 ± 0.04 in	1.5 ± 1 mm / 0.059 ± 0.04 in
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 4.00 x 3.00 mm / 0.157 x 0.118 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



EOS-261 M830

TAGEOS

Packing Details

	Dry	Wet	Paper-face
Product Code	2600000065	2600000066	2600000067
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	317 mm / 12.48 in	340 mm / 13.39 in	199 mm / 7.83 in
Unwinding Direction	Inlay on outside of roll	Inlay on outside of roll	Inlay on outside of roll
Standard Roll Size	28 000 (-0% +1.5%)	19 000 (-0% +1.5%)	4 000 (-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	2	2	6
Inlays/Box	56 000	38 000	24 000
Box Gross Weight	8.1 kg / 17.85 lbs	10.53 kg / 23.21 lbs	9.54 kg / 21.04 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	2 688 000	1 824 000	864 000
Pallet Gross Weight	414 kg / 913 lbs	530 kg / 1 169 lbs	368 kg / 811 lbs

Contact:
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