

EOS-241 U8 Zero™ Max

T A G E O S

Datasheet

Global-Compliant Versatile Solution for Retail and Logistics



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The EOS-241 U8 Zero Max inlay combines superior read performance with a compact antenna size ideally suited for item-level applications in retail and logistics. Plastic-free and based on FSC® paper, the Zero Max inlay is optimized for use on diverse packaging materials. The inlay is ideal for inventory management in a wide range of non-food industries including retail apparel, supply chain, logistics, and pharmaceutical/healthcare

EOS-241 U8 Zero Max is equipped with the NXP UCODE 8 IC, which features a self-adjust capability, a product status flag for electronic article surveillance (EAS) applications, pre-serialized 96-bit EPC, and a brand identifier. The IC enables long read distance and fast inventory of dense RFID tag population due to high read and write sensitivity and fast encoding speed.

The EOS-241 U8 Zero Max inlay is available in dry and paperface formats.

Tageos was one of the first companies to qualify for ARC Quality Certification for its manufacturing operations from Auburn University RFID Lab.

Like all Tageos' RFID products, EOS-241 U8 Zero Max 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.

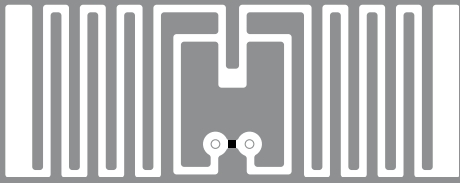
Overview

IC:	NXP UCODE 8
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
- Pharma & Healthcare
- Supply Chain Management





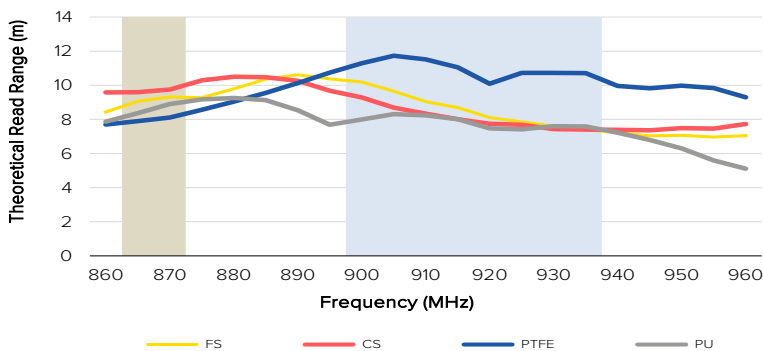
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Technical Overview

	Dry	Paper-face
Product Code	2400000232	2400000233
Antenna Size	42 x 16 mm 1.65 x 0.63 in	42 x 16 mm 1.65 x 0.63 in
Finish Size	-	44 x 18 mm 1.73 x 0.71 in
Web Width	48.0 ± 1 mm 1.890 ± 0.04 in	48.0 ± 1 mm 1.890 ± 0.04 in
Pitch	22.23 ± 0.2 mm 0.875 ± 0.01 in	22.23 ± 1 mm 0.875 ± 0.04 in
Antenna Material	Aluminium	Aluminium
Front Face	-	Paper TT
Inlay Substrate	Paper	Paper
Inlay Adhesive	-	Permanent
Liner	-	Paper
Operating Temperature	-20°C / +50°C -4°F / +122°F	-20°C / +50°C -4°F / +122°F
Final Inspection	100% tested	100% tested
ARC Approvals	-	-

Read Range



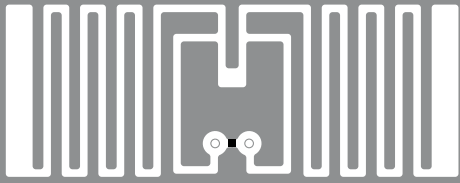
Contact:

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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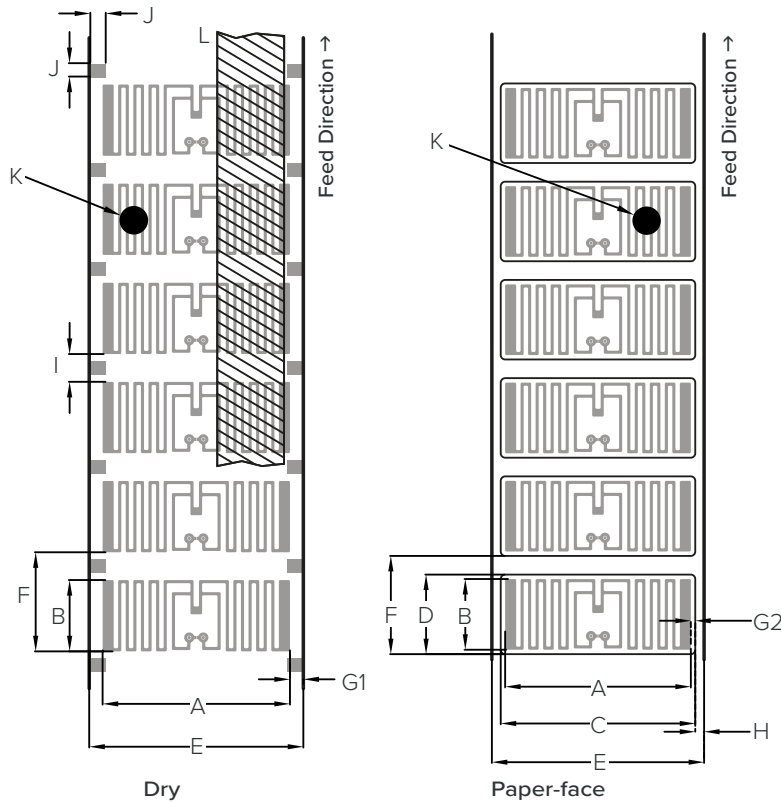


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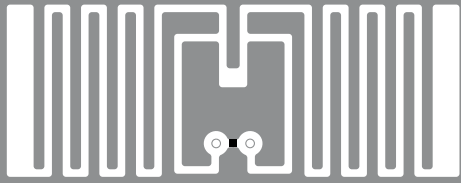
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Product Specifications

Mechanical Dimensions



	Dry	Paper-face
Product Code	2400000232	2400000233
Antenna Size	A x B 42 x 16 mm / 1.65 x 0.63 in	42 x 16 mm / 1.65 x 0.63 in
Finish Size	C x D -	44 x 18 mm / 1.73 x 0.71 in
Web Width	E 48.0 ± 1 mm / 1.890 ± 0.04 in	48.0 ± 1 mm / 1.890 ± 0.04 in
Pitch	F 22.23 ± 0.2 mm / 0.875 ± 0.01 in	22.23 ± 1 mm / 0.875 ± 0.04 in
Antenna to Web Edge	G1 3.0 ± 1 mm / 0.118 ± 0.04 in	-
Antenna to Die-cut	G2 -	1.0 ± 1 mm / 0.039 ± 0.04 in
Die-cut to Web Edge	H -	2.0 ± 1 mm / 0.079 ± 0.04 in
Antenna Gap	I 6.23 mm / 0.245 in	-
Converting Spot	J 3.45 x 3.00 mm / 0.136 x 0.118 in	-
Bad Mark	K Ø 6.0 mm / 0.236 in	Ø 6.0 mm / 0.236 in
Interleaves	L Yes	No



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Packing Details

	Dry	Paper-face
Product Code	2400000232	2400000233
Delivery Format	Roll (single row)	Roll (single row)
Core Inner Diameter	76 mm / 2.99 in	76 mm / 2.99 in
Roll Outer Diameter	292 mm / 11.50 in	199 mm / 7.83 in
Unwinding Direction	Inlay on outside of roll	Inlay on outside of roll
Standard Roll Size	24 000	5 000
Min. Guar. Yield/Roll	98.5%	98.5%
Box Dimensions	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	6
Inlays/Box	48 000	30 000
Box Gross Weight	7.04 kg / 15.52 lbs	7.70 kg / 16.98 lbs
Pallet Dimensions	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	36
Inlays/Pallet	2 304 000	1 080 000
Pallet Gross Weight	363 kg / 800 lbs	302 kg / 666 lbs

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