

EOS-360 U9

T A G E O S

Datasheet

ARC C2 Spec Certified Solution for Non-Food Retail and Beyond

The EOS-360 U9 inlay combines a remarkably compact footprint with superior performance on cardstock, plastic, and rubber surfaces due to advanced antenna design and the latest generation IC technology. With an antenna size of just 64 mm x 4 mm and certified compliance with ARC specifications C2, the inlay is an optimum solution for many item-level applications in non-food retail (cosmetics, home improvement & sporting goods, toys, ...) and supply chain management.

EOS-360 U9 is based on NXP's UCODE 9 RAIN RFID chip. Equipped with 96-bit EPC memory, the IC provides 96-bit EPC; kill password; EPC and kill password permalock; self-adjusting impedance; and memory integrity safeguards. It lends itself to solutions that include high-speed inventory counting, loss prevention with frictionless self-checkout, and embedded tagging with seamless product returns.



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EOS-360 U9 is available in 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.

Like all Tageos' RFID inlays and tags, EOS-360 U9 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:	NXP UCODE 9
EPC/User Memory:	96 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

- Beauty & Cosmetics
- Home Goods
- Inventory Visibility
- Item Level Tagging
- Supply Chain Management



The mark of
responsible forestry
FSC® C166692

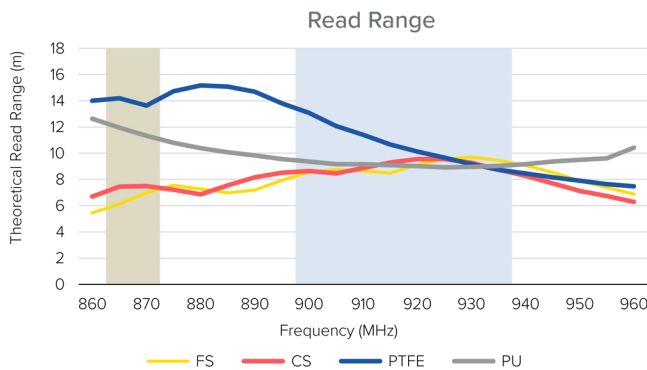


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Technical Overview

	Paper-face
Product Code	3600000004
Antenna Size	64 x 4 mm 2.52 x 0.16 in
Finish Size	67 x 17 mm 2.64 x 0.67 in
Web Width	72.00 ± 1 mm 2.835 ± 0.04 in
Pitch	20.00 ± 1 mm 0.788 ± 0.04 in
ARC Approval	C2
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



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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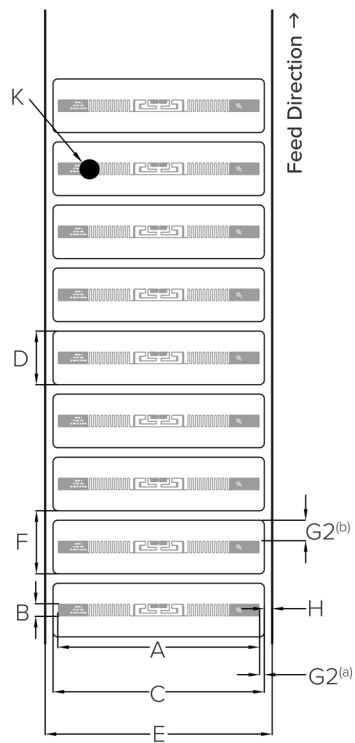


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Product Specifications

Mechanical Dimensions



Paper-face

Product Code	3600000004	
Antenna Size	A x B 64 x 4 mm / 2.52 x 0.16 in	
Finish Size	C x D 67 x 17 mm / 2.64 x 0.67 in	
Web Width	E	72.00 ± 1 mm / 2.835 ± 0.04 in
Pitch	F	20.00 ± 1 mm / 0.788 ± 0.04 in
Antenna to Web Edge	G1	-
Antenna to Die-cut	G2	1.5 ± 1 mm / 0.059 ± 0.04 in ^(a) 6.5 ± 1 mm / 0.256 ± 0.04 in ^(b)
Die-cut to Web Edge	H	2.5 ± 1 mm / 0.098 ± 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	3600000004
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	98.5%
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	7.99 kg / 17.61 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	313 kg / 690 lbs

