



EOS-340 U9

T A G E O S

Datasheet



T A G E O S

High Global Performance on Plastic or Cardboard

The EOS-340 U9 Inlay from Tageos is designed to seamlessly substitute diverse “dual-dipole” UHF inlay designs based on the discontinued Impinj Monza 4D chip.

Providing long read ranges applied to plastic or cardboard surfaces and independent of tag orientation, the RAIN RFID inlay is ideal for applications such as inventory visibility, supply chain management, and parts management in automotive, industrial manufacturing, and logistics.

EOS-340 U9 uses NXP’s UCODE 9 IC which is well suited for inventory management applications and enables long read distance and fast inventory of dense RFID tag populations. The chip also features 96-bit EPC; kill password; EPC and kill password permalock; self-adjusting impedance; and memory integrity safeguards.

Available in dry, wet, and paper-face delivery formats, EOS-340 U9 provides highly stable performance throughout FCC and ETSI frequency ranges worldwide.

Like all Tageos’ RFID products, the EOS-340 U9 Inlay is compliant with ISO 9001:2015 Quality Management System and ISO 14001:2015 Environmental Management.

Tageos is one of the first companies to have successfully completed the ARC Quality Certification from Auburn University RFID Lab. All products comply with Environmental Directives RoHS and REACH, utilizing sustainable materials such as FSC® certified paper whenever possible.

Overview

IC:	NXP UCODE 9
EPC/User Memory:	96 / - 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

- Inventory Visibility
- Item Level Tagging
- Parts Management
- Supply Chain Management



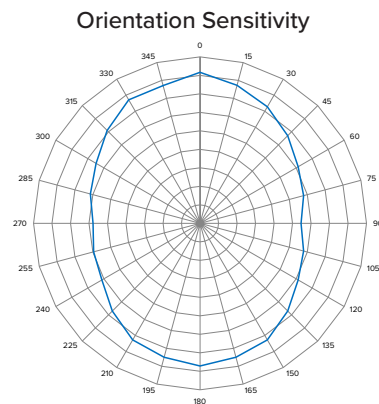
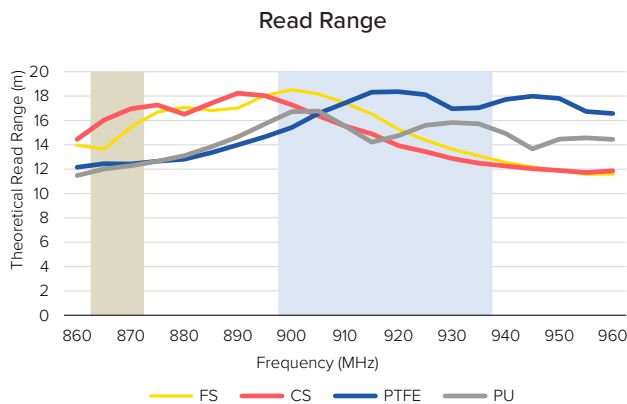


EOS-340 U9

TAGEOS

Technical Overview

	Dry Inlay	Wet Inlay	Paper-face Inlay
Product Code	3400000003	3400000004	3400000005
Antenna Size	50 x 50 mm 1.97 x 1.97 in	50 x 50 mm 1.97 x 1.97 in	50 x 50 mm 1.97 x 1.97 in
Finish Size	-	53 x 53 mm 2.09 x 2.09 in	53 x 53 mm 2.09 x 2.09 in
Web Width	60 ± 1 mm 2.36 ± 0.04 in	60 ± 1 mm 2.36 ± 0.04 in	60 ± 1 mm 2.36 ± 0.04 in
Pitch	57.15 ± 0.1 mm 2.25 x 0.01 in	57.15 ± 0.1 mm 2.25 x 0.01 in	57.15 ± 0.1 mm 2.25 x 0.01 in
Antenna Material	Aluminium	Aluminium	Aluminium
Front Face	-	Clear PET	TT Paper
Inlay Substrate	Clear PET	Clear PET	Clear PET
Inlay Adhesive	-	Permanent	Permanent
Liner	-	Paper	Paper
Operating Temperature	-40°C / +85°C -40°F / +185°F	-40°C / +85°C -40°F / +185°F	-40°C / +85°C -40°F / +185°F
Final Inspection	100% tested	100% tested	100% tested
ARC Approvals	-	-	-



Contact us:
Tageos 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.

© 2022 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 is a registered trademark. 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.

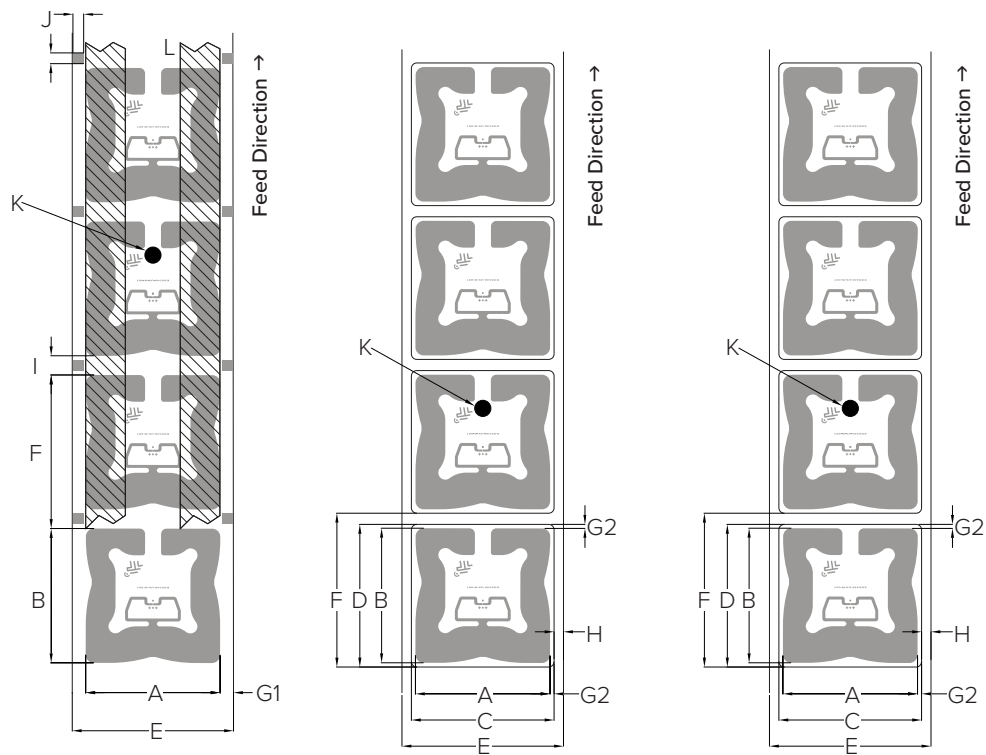


EOS-340 U9

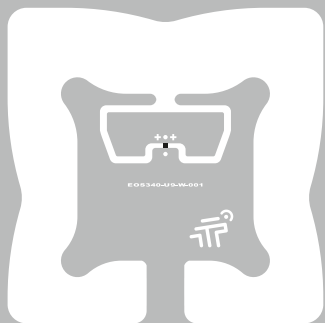
TAGEOS

Product Specifications

Mechanical Dimensions



	Dry Inlay	Wet Inlay	Paper-face Inlay
Product Code	3400000003	3400000004	3400000005
Antenna Size	A x B 50 x 50 mm / 1.97 x 1.97 in	50 x 50 mm / 1.97 x 1.97 in	50 x 50 mm / 1.97 x 1.97 in
Finish Size	C x D -	53 x 53 mm / 2.09 x 2.09 in	53 x 53 mm / 2.09 x 2.09 in
Web Width	E 60 ± 1 mm / 2.36 ± 0.04 in	60 ± 1 mm / 2.36 ± 0.04 in	60 ± 1 mm / 2.36 ± 0.04 in
Pitch	F 5715 ± 0.1 mm / 2.25 x 0.01 in	5715 ± 0.1 mm / 2.25 x 0.01 in	5715 ± 0.1 mm / 2.25 x 0.01 in
Antenna to Web Edge	G1 5 ± 1 mm / 0.20 ± 0.04 in	-	-
Antenna to Die-cut	G2 -	1.5 ± 1 mm / 0.06 ± 0.04 in	1.5 ± 1 mm / 0.06 ± 0.04 in
Die-cut to Web Edge	H -	3.5 ± 1 mm / 0.14 ± 0.04 in	3.5 ± 1 mm / 0.14 ± 0.04 in
Antenna Gap	I 715 mm / 0.28 in	-	-
Converting Spot	J 4 x 4 mm / 0.16 x 0.16 in	-	-
Bad Mark	K Ø 6 mm / 0.24 in	Ø 6 mm / 0.24 in	Ø 6 mm / 0.24 in
Interleaves	L Yes	No	No



EOS-340 U9

T A G E O S

Packing Details

	Dry Inlay	Wet Inlay	Paper-face Inlay
Product Code	3400000003	3400000004	3400000005
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	277 mm / 10.91 in	328 mm / 12.91 in	184 mm / 7.24 in
Unwinding Direction	Inlay on outside of roll	Inlay on outside of roll	Inlay on outside of roll
Standard Roll Size	9 500	8 000	1 500
Min. Guar. Yield/Roll	98.5%	98.5%	98.5%
Box Dimensions	39.5 x 39 x 17 cm / 15.5 x 15.3 x 6.7 in	39.5 x 39 x 17 cm / 15.5 x 15.3 x 6.7 in	26 x 26 x 37 cm / 10.2 x 10.2 x 14.5 in
Roll/Box	2	2	5
Inlays/Box	19 000	16 000	7 500
Box Gross Weight	7.31 kg / 16.12 lbs	10.87 kg / 23.96 lbs	7.25 kg / 15.98 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	912 000	768 000	270 000
Pallet Gross Weight	376 kg / 829 lbs	547 kg / 1206 lbs	286 kg / 631 lbs

Contact us:
Tageos HQ . 1340 rue de Pinville . 34000 Montpellier . France . sales@tageos.com

 **RoHS**
compliant



© 2022 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 is a registered trademark. 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.