

EOS-920 Seal I3 TT

T A G E O S

Datasheet



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Superior Solution for Tamper Detection and Authentication

The EOS-920 Seal I3 TT inlay is specifically designed for product authentication and tamper detection in a variety of retail and industrial applications. The inlay features a tamper-loop design that reliably identifies one of two possible conditions:

An intact loop indicates that the package is sealed, while a broken loop indicates the package is open. Both can be verified at the tap of an NFC-enabled smartphone. EOS-920 Seal I3 TT also supports consumer experience solutions regardless of loop condition.

EOS-920 Seal I3 TT is available in dry, wet, and paper-face delivery formats.

The EOS-920 Seal I3 TT uses NXP's ICODE 3 IC with Tag Tamper functionality, which enables the end customer to verify via the IC if the product has been previously opened. The IC also delivers boosted

RF performance, a fast read rate of up to 212 kbps, and secure operation in both near-field and vicinity applications. The ICODE 3 has a large 2400-bit user-configurable memory with password protection, customizable originality signatures to ensure tag origin, and advanced NFC features for Android and iOS.

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

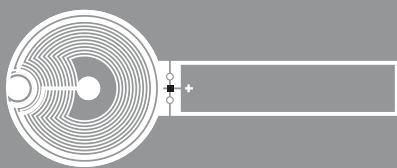
IC:	NXP ICODE3 TT
User Memory:	2400 bit
UID:	64 bit
Frequency Band:	13.56 MHz
Protocol:	ISO/IEC 15693 (Vicinity) / Type 5 Tag

Application Areas

- Brand Protection
- Consumer Experience
- Food & Beverage
- Product Authentication
- Smart Packaging



The mark of responsible forestry
FSC® C166692



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Technical Overview

	Dry	Wet	Paper-face
Product Code	9200000019	9200000020	9200000021
Antenna Size	50 x 20 mm 1.97 x 0.79 in	50 x 20 mm 1.97 x 0.79 in	50 x 20 mm 1.97 x 0.79 in
Finish Size	-	53 x 23 mm 2.09 x 0.91 in	53 x 23 mm 2.09 x 0.91 in
Web Width	60.00 ± 1 mm 2.362 ± 0.04 in	60.00 ± 1 mm 2.362 ± 0.04 in	60.00 ± 1 mm 2.362 ± 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
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 strong	permanent strong
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



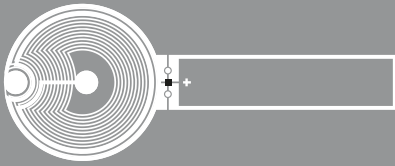
Contact:

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



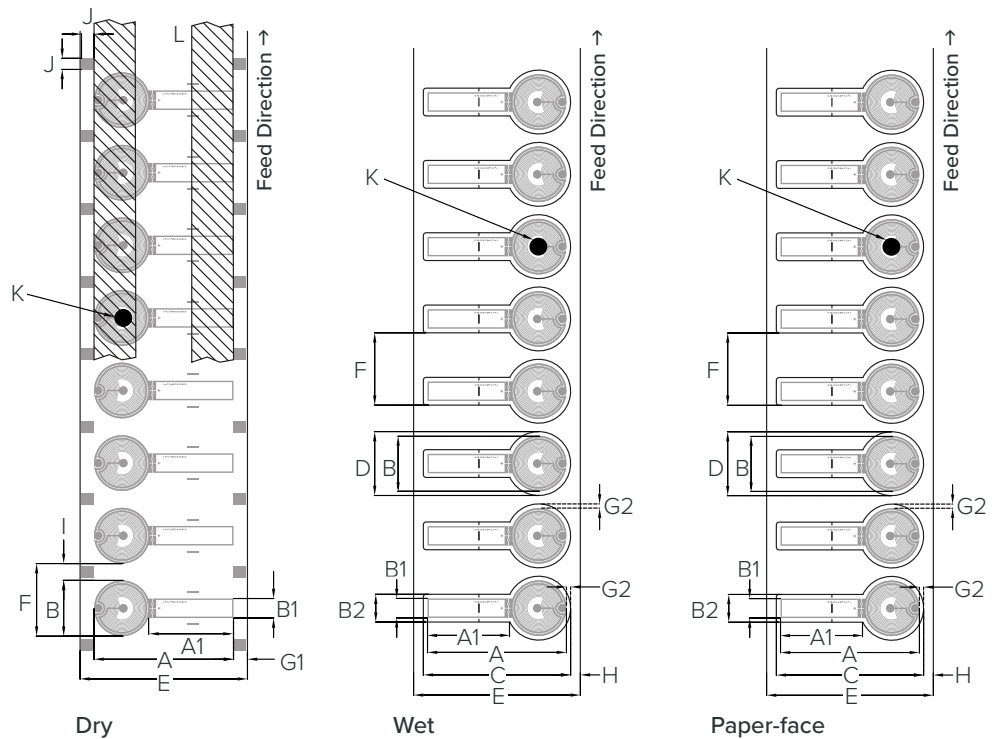
Graphs: All the graphs are indicative; performance in real life applications may vary. The data has been determined based on calculations for transmitters with a normal output power level and respective IC silicon. **Storage & handling precautions:** Observe standard storage and handling practices to 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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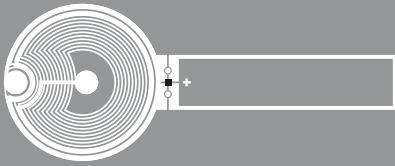


Product Specifications

Mechanical Dimensions



	Dry	Wet	Paper-face
Product Code	9200000019	9200000020	9200000021
Antenna Size	A x B 50 x 20 mm / 1.97 x 0.79 in	50 x 20 mm / 1.97 x 0.79 in	50 x 20 mm / 1.97 x 0.79 in
Tail Size	A1 x B1 30 x 7 mm / 1.18 x 0.28 in	30 x 7 mm / 1.18 x 0.28 in	30 x 7 mm / 1.18 x 0.28 in
Finish Size	C x D - / -	53 x 23 mm / 2.09 x 0.91 in	53 x 23 mm / 2.09 x 0.91 in
	B2 - / -	10 mm / 0.394 in	10 mm / 0.394 in
Web Width	E 60.00 ± 1 mm / 2.362 ± 0.04 in	60.00 ± 1 mm / 2.362 ± 0.04 in	60.00 ± 1 mm / 2.362 ± 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 5.0 ± 1 mm / 0.197 ± 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 -	3.5 ± 1 mm / 0.138 ± 0.04 in	3.5 ± 1 mm / 0.138 ± 0.04 in
Antenna Gap	I 6.04 mm / 0.238 in	-	-
Converting Spot	J 4.50 x 4.00 mm / 0.177 x 0.157 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
Interleave	L Yes	No	No
Registration Mark (RM) M	-	-	-
RM Postion	N -	-	-



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Packing Details

	Dry	Wet	Paper-face
Product Code	9200000019	9200000020	9200000021
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	336 mm / 13.23 in	335 mm / 13.19 in	193 mm / 7.6 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%)	17 000 (-0% +1.5%)	3 500 (-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	5
Inlay/Box	56 000	34 000	17 500
Box Gross Weight	10.02 kg / 22.1 lbs	9.49 kg / 20.93 lbs	7.19 kg / 15.85 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
Inlay/Pallet	2 688 000	1 632 000	630 000
Pallet Gross Weight	506 kg / 1 116 lbs	481 kg / 1 061 lbs	284 kg / 626 lbs

Contact:

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