

EOS-300 U9

T A G E O S

Datasheet



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Cost-effective Global Solution for High-volume Applications

The EOS-300 U9 inlay is optimized within a compact form factor that is ideal for retail hang tags and logistics packaging. It has excellent orientation sensitivity and performs extremely well on a wide range of materials in dense tagging environments. As such, it is an ideal low-cost solution for inventory control in non-food industries such as retail, logistics and supply chain management.

EOS-300 U9 is available in dry, 5up width web delivery format.

EOS-300 U9 uses NXP's UCODE 9 IC, which offers high performance across all global frequency standards. Particularly well suited for inventory management applications with its proven RF performance for any given form factor, UCODE 9 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.

Tageos maintains annual ARC Quality Certification for all its manufacturing sites worldwide and was among the first companies to receive certification from the Auburn University RFID Lab in 2020. EOS-300 U9 complies with ARC specifications F, I, L, O, Q, R, Y2, W5, and W6.

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

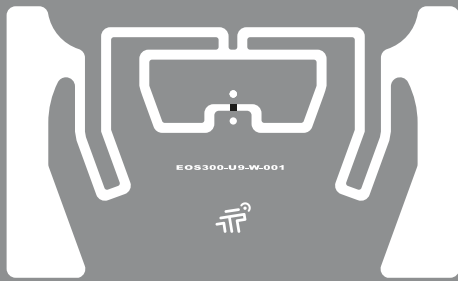
IC:	NXP UCODE 9
EPC/User Memory:	96 bit / - bit
TID Memory:	96 bit incl. 48 bit unique S/N
Frequency Band:	860 - 960 MHz
Protocol:	EPC Class 1 Gen 2 - ISO 18000-63

Application Areas

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



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FSC® C166692

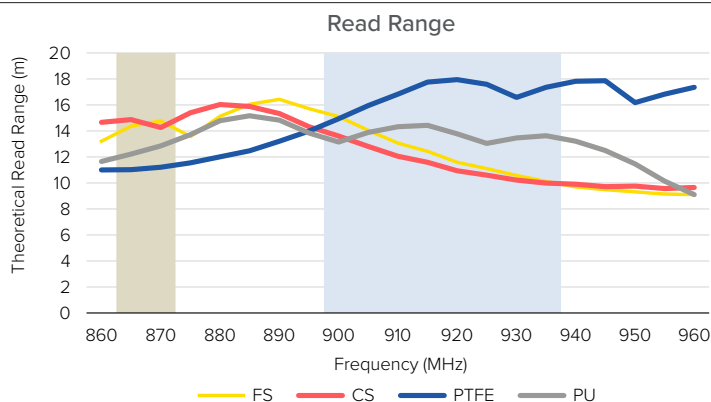


EOS-300 U9

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Technical Overview

	Dry - 5up	
Product Code	3000000181	
Antenna Size	50 x 30 mm 1.97 x 1.18 in	
Finish Size	-	
Web Width	340.0 ± 1 mm 13.386 ± 0.04 in	
Pitch	38.10 ± 0.2 mm 1.500 ± 0.01 in	60.00 ± 0.2 mm 2.262 ± 0.01 in
ARC Approval	F, I, L, O, Q, R, Y2, W5, W6	
FSC® Certification	-	
Antenna Material	Aluminium	
Front Face	-	
Inlay Substrate	PET clear	
Inlay Adhesive	-	
Liner	-	
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	



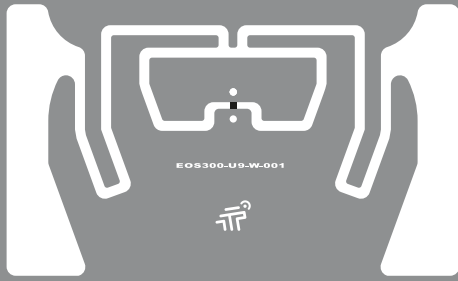
Contact:

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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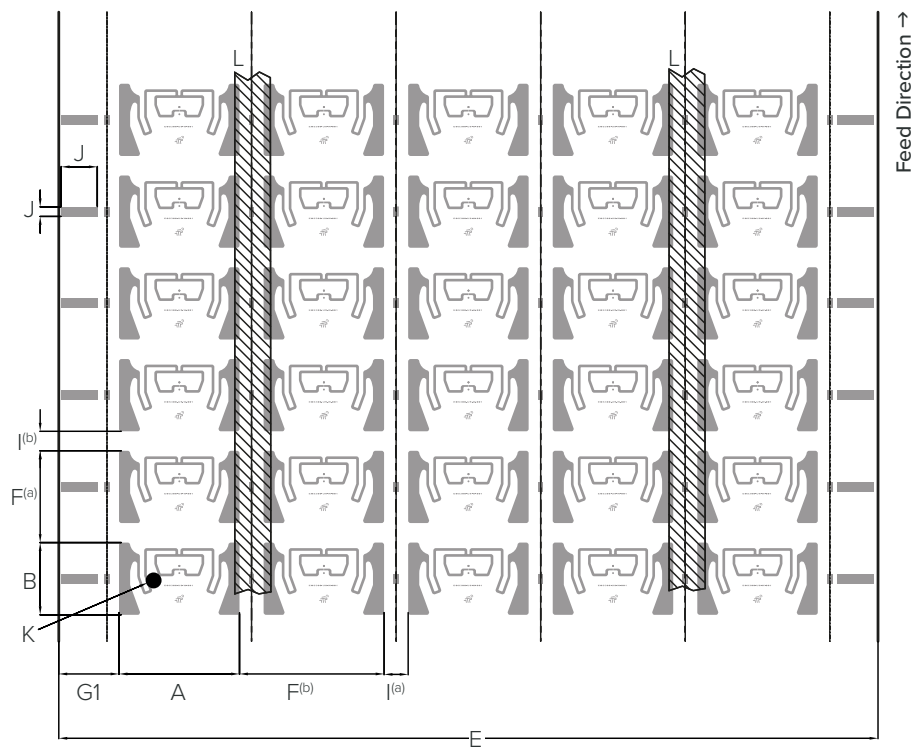


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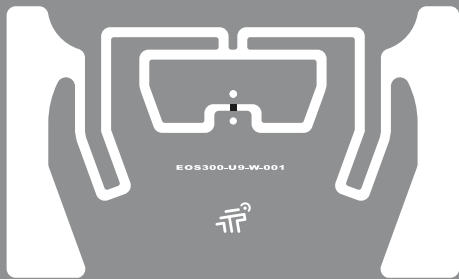
Product Specifications

Mechanical Dimensions



Dry - 5up

Product Code	3000000181		
Antenna Size	A x B 50 x 30 mm / 1.97 x 1.18 in		
Finish Size	C x D -		
Web Width	E	340.0 ± 1 mm / 13.386 ± 0.04 in	
Pitch	F	38.10 ± 0.2 mm / 1.500 ± 0.01 in ^(a)	60.00 ± 0.2 mm / 2.262 ± 0.01 in ^(b)
Antenna to Web Edge	G1	25.0 ± 1 mm / 0.984 ± 0.04 in	
Antenna to Die-cut	G2	-	
Die-cut to Web Edge	H	-	
Antenna Gap	I	10.00 mm / 0.394 in ^(a)	8.10 mm / 0.319 in ^(b)
Converting Spot	J	15.00 x 4.00 mm / 0.591 x 0.157 in	
Bad Mark	K	Ø 6.0 mm / 0.236 in	
Interleaves	L	Yes	



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Packing Details

	Dry - 5up
Product Code	3000000181
Delivery Format	Roll (multi row)
Core Inner Diameter	76 mm / 2.99 in
Roll Outer Diameter	308 mm / 12.13 in
Unwinding Direction	Inlay on outside of roll
Standard Roll Size	90 000 (-0% +1.5%)
Min. Guar. Yield/Roll	99%
Box Dimensions	38.5 x 38.5 x 37.0 cm / 15.16 x 15.16 x 14.57 in
Roll/Box	1
Inlays/Box	90 000
Box Gross Weight	20.79 kg / 45.83 lbs
Pallet Dimensions	120 x 80 x 126 cm / 47.2 x 31.5 x 49.6 in
Boxes/Pallet	18
Inlays/Pallet	1 620 000
Pallet Gross Weight	399 kg / 880 lbs

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