

EOS-240 U9

T A G E O S

## Datasheet

### Cost-effective Global Solution for Dense Tag Populations



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The EOS-240 U9 inlay is optimized within a small footprint to offer superior dense population performance across global markets with the latest UCODE 9 technology from NXP. It is an ideal low-cost solution for inventory management in non-food industries as varied as retail apparel to cosmetics, accessories/sunglasses, jewelry and also pharmaceuticals.

The inlay is ideal for large-scale, world-wide deployments, since it is a small, universal tag that can operate worldwide, simplifying the tag supply chain for global enterprises.

EOS-240 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.

The inlay is available in paper-face format. 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, it complies with ISO 9001:2015 Quality Management System, as well as Environmental Directives RoHS and REACH, utilizing sustainable materials such as FSC® certified paper whenever possible.

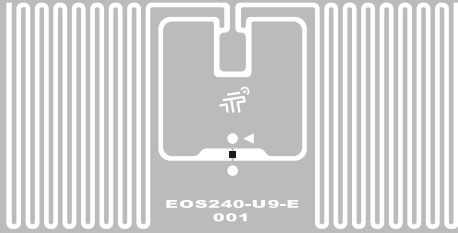
#### Overview

IC:	NXP UCODE 9
EPC/User Memory:	96 bits
TID Memory:	-
Frequency Band:	860 - 960 MHz (ETSI)
Protocol:	EPC Class 1 Gen 2 ISO 18000-6c

#### Application Areas

- Apparel
- Accessories & Jewelry
- Beauty & Cosmetics
- Inventory Visibility
- Item Level Tagging
- Pharma & Healthcare



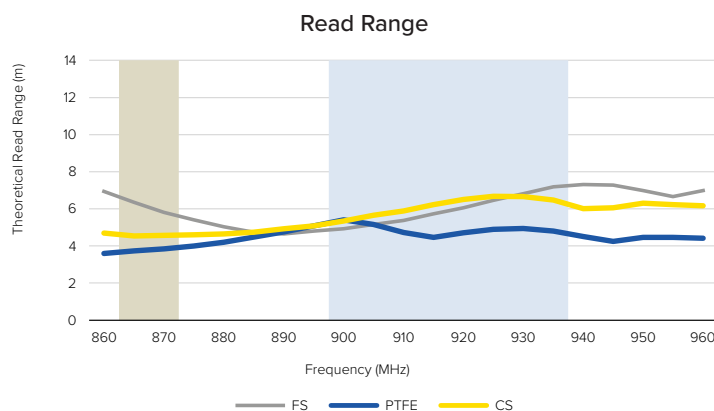


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## Technical Overview

	Paper-face inlay
Product Code	2000000079
Antenna Size	30 x 15 mm 1.18 x 0.59 in
Finish Size	33 x 18 mm 1.30 x 0.71 in
Web Width	40 ± 0.5 mm 1.57 ± 0.02 in
Pitch	23.53 ± 0.5 mm 0.92 ± 0.02 in
Antenna Material	Aluminium
Front Face	TT Paper
Inlay Substrate	Clear PET
Inlay Adhesive	Permanent
Operating Temperature	-40°C / +85°C -40°F / +185°F
Final Inspection	100% tested
Market Approvals	-



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 **RoHS**  
compliant



**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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