



EOS-200 U9

TAGEOS

Datasheet



TAGEOS

Specific Solution for Tagging Jewelry and Accessories

The EOS-200 U9 Jewelry inlay combines compact size with a special shape that makes it particularly apt for tagging jewelry and small accessories. The inlay's IC-specific antenna design and reliable performance make it a solution of choice for a wide range of retail applications such as inventory visibility and item-level tagging.

EOS-200 U9 Jewelry inlay uses NXP's UCODE 9 IC which is well suited for inventory management applications and enables fast inventory tracking 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 EOS-200 U9 Jewelry inlay is available in plastic-face delivery format.

Tageos was one of the first companies to have successfully completed the ARC Quality Certification from Auburn University RFID Lab.

Like all Tageos' RFID products, the RAIN RFID inlay is compliant with ISO 9001:2015 Quality Management System. 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 / - bit
TID Memory:	96 bit incl. 48 bit unique S/N
Frequency Band:	860 - 960 MHz (ETSI)
Protocol:	EPC Class 1 Gen 2 ISO 18000-6c

Application Areas

- Accessories & Jewelry



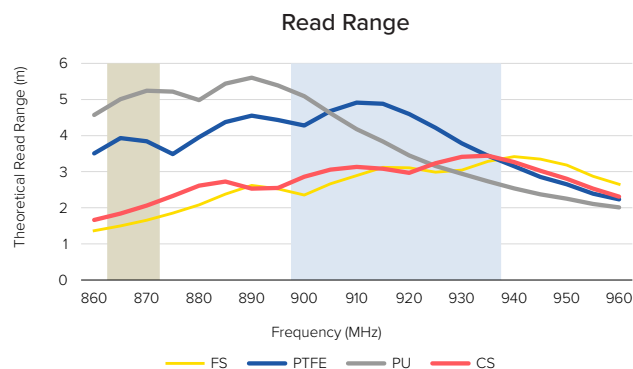


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Technical Overview

	Plastic-face Inlay	
Product Code	2000000101	
Antenna Size	20 x 10 mm 0.79 x 0.39 in	
Finish Size	76 x 14 mm 2.99 x 0.55 in	25 x 14 mm (Folded size without tail) 0.98 x 0.55 in
Web Width	80 ± 1 mm 3.15 ± 0.04 in	
Pitch	18.18 ± 0.5 mm 0.72 ± 0.02 in	
Antenna Material	Aluminium	
Front Face	PP White	
Inlay Substrate	Clear PET	
Inlay Adhesive	Permanent	
Liner	Paper	
Operating Temperature	-40°C / +85°C -40°F / +185°F	
Final Inspection	100% tested	
Market Approvals	-	



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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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