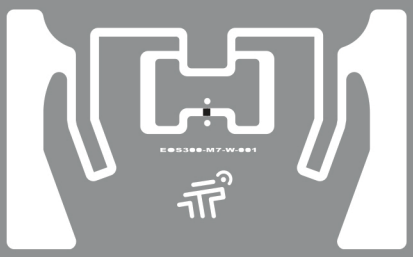


EOS-300 M730

TAGEOS

Datasheet

TAGEOS

Performance and Efficiency for High-volume Applications

The EOS-300 M730 inlay has an optimized compact form factor that is ideal for retail hang tags and logistics packaging. It offers high orientation sensitivity and excellent overall performance that makes it suitable for a wide range of materials in dense tagging environments. Hence, it is an ideal solution for inventory control in non-food industries such as retail, logistics, and supply chain management.

As a small, globally operable inlay, EOS-300 M730 is perfect for large-scale, worldwide deployments, simplifying the tag supply chain for global enterprises.

Equipped with 128-bit EPC memory, the inlays' Impinj M730 RAIN RFID chip provides high performance, fast inventory capability, and advanced features for next-generation, universal RAIN RFID tags.

The IC is particularly suitable for solutions that include high-speed inventory counting, loss prevention with frictionless self-checkout, and embedded tagging with seamless product returns.

EOS-300 M730 is available in dry, wet and 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. The inlay fulfills ARC specifications F, G, I, J, K, L, N, O, Q, R, Y, B1, W1, W2, W3, W4, W5 and W6.

Like all Tageos' RFID products, EOS-300 M730 complies with ISO 9001:2015 Quality Management System and ISO 14001:2015 Environmental Management System as well as Environmental Directives RoHS and REACH, utilizing sustainable materials such as FSC® certified paper whenever possible.

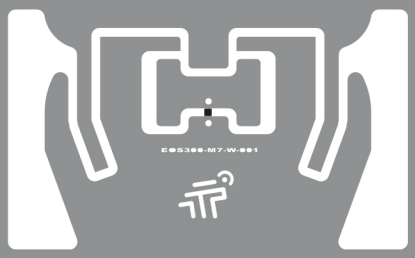
Overview

IC:	Impinj M730
EPC/User Memory:	128 bit / - bit
TID Memory:	96 bit incl. 48 bit unique S/N
Frequency Band:	860 - 960 MHz
Protocol:	EPC Class 1 Gen 2 ISO 18000-6c

Application Areas

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

ARC QUALITY | 2023



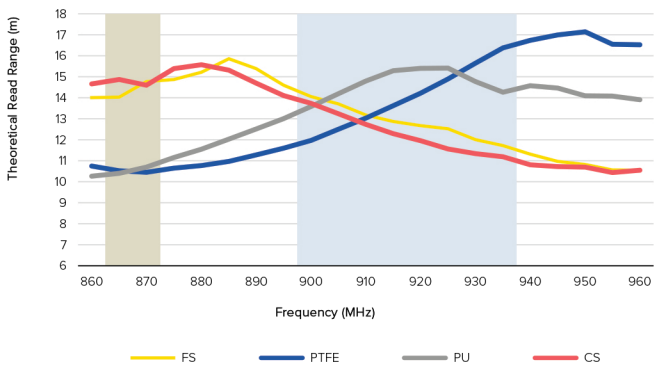
EOS-300 M730

TAGEOS

Technical Overview

	Dry	Wet	Paper-face
Product Code	3000000125	3000000116	3000000117
Antenna Size	50 x 30 mm	50 x 30 mm	50 x 30 mm
	1.97 x 1.18 in	1.97 x 1.18 in	1.97 x 1.18 in
Finish Size	-	54 x 34 mm	54 x 34 mm
	-	2.12 x 1.34 in	2.12 x 1.34 in
Web Width	60.0 ± 1 mm	60.0 ± 1 mm	60.0 ± 1 mm
	2.362 ± 0.04 in	2.362 ± 0.04 in	2.362 ± 0.04 in
Pitch	38.10 ± 0.2 mm	38.10 ± 1 mm	38.10 ± 1 mm
	1.500 ± 0.01 in	1.500 ± 0.04 in	1.500 ± 0.04 in
Antenna Material	Aluminium	Aluminium	Aluminium
Front Face	-	Clear plastic	TT Paper
Inlay Substrate	Clear PET	Clear PET	Clear PET
Inlay Adhesive	-	Permanent	Permanent
Liner	-	Paper	Paper
Operating Temperature	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C
	-40°F / +185°F	-40°F / +185°F	-40°F / +185°F
Final Inspection	100% tested	100% tested	100% tested
Market Approvals	F, G, I, J, K, L, N, O, Q, R, Y, B1;	F, G, I, J, K, L, N, O, Q, R, Y, B1;	F, G, I, J, K, L, N, O, Q, R, Y, B1;
	W1, W2, W3, W4, W5, W6	W1, W2, W3, W4, W5, W6	W1, W2, W3, W4, W5, W6

Read Range



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

RoHS compliant

REACH COMPLIANCE

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.