

EOS-300 M750

T A G E O S

Datasheet



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Performance and Efficiency for High-volume Applications

The EOS-300 M750 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 M750 is perfect for large-scale, worldwide deployments, simplifying the tag supply chain for global enterprises.

Equipped with 96-bit EPC memory, the inlays' Impinj M750 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 M750 is available in 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, W1, W2, W3, W4, W5 and W6.

Like all Tageos' RFID products, EOS-300 M750 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.

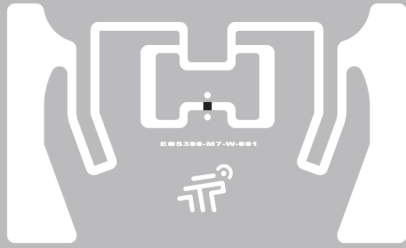
Overview

IC:	Impinj M750
EPC/User Memory:	96 bit / 32 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





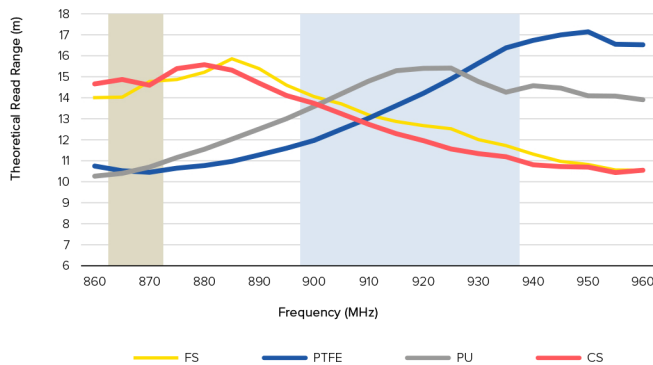
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Technical Overview

	Wet Inlay	Paper-face Inlay
Product Code	3000000172	3000000173
Antenna Size	50 x 30 mm 1.97 x 1.18 in	50 x 30 mm 1.97 x 1.18 in
Finish Size	54 x 34 mm 2.13 x 1.34 in	54 x 34 mm 2.13 x 1.34 in
Web Width	60 ± 1 mm 2.36 ± 0.04 in	60 ± 1 mm 2.36 ± 0.04 in
Pitch	38.1 ± 0.5 mm 1.5 ± 0.02 in	38.1 ± 0.5 mm 1.5 ± 0.02 in
Antenna Material	Aluminium	Aluminium
Front Face	Clear PET	TT Paper
Inlay Substrate	Clear PET	Clear PET
Inlay Adhesive	Permanent	Permanent
Liner	Paper	Paper
Operating Temperature	-40°C / +85°C -40°F / +185°F	-40°C / +85°C -40°F / +185°F
Final Inspection	100% tested	100% tested
Market Approvals	F, G, I, J, K, L, N, O, Q, R, Y; W1, W2, W3, W4, W5, W6	F, G, I, J, K, L, N, O, Q, R, Y; W1, W2, W3, W4, W5, W6

Read Range



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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