EOS-340 M730

TAGEOS

Datasheet

TAGEOS

High Global Performance on Plastic or Cardboard

The EOS-340 M730 Inlay from Tageos is designed to seamlessly substitute diverse “dual-dipole” UHF inlay designs based on the Impinj Monza 4 product family.

Providing long read ranges applied to plastic or cardboard surfaces and independent of tag orientation, the RAIN RFID inlay is ideal for applications such as inventory visibility, supply chain management, and parts management in automotive, industrial manufacturing, and logistics.

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

It lends itself to solutions that include high-speed inventory counting, loss prevention with frictionless self-checkout, and embedded tagging with seamless product returns.EOS-340 M730 provides highly stable performance throughout FCC and ETSI frequency ranges worldwide.

Like all Tageos’ RFID products, the EOS-340 M730 inlay is compliant with ISO 9001:2015 Quality Management System and ISO 14001:2015 Environmental Management.

Tageos is one of the first companies to have successfully completed the ARC Quality Certification from Auburn University RFID Lab. All products comply with 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

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

ARC QUALITY | 2023

EOS-340 M730

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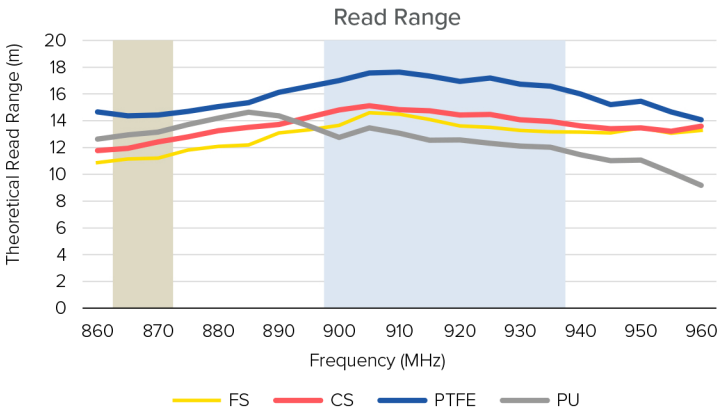
Technical Overview

	Dry	Wet	Paper-face
Product Code	3400000006	3400000007	3400000008
Antenna Size	50 x 50 mm	50 x 50 mm	50 x 50 mm
	1.97 x 1.97 in	1.97 x 1.97 in	1.97 x 1.97 in
Finish Size	-	53 x 53 mm	53 x 53 mm
	-	2.09 x 2.09 in	2.09 x 2.09 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	57.15 ± 0.2 mm	57.15 ± 1 mm	57.15 ± 1 mm
	2.250 ± 0.01 in	2.250 ± 0.04 in	2.250 ± 0.04 in
Antenna Material	Aluminium	Aluminium	Aluminium
Front Face	-	PET clear	Paper TT
Inlay Substrate	PET clear	PET clear	PET clear
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
ARC Approvals	-	-	-



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.

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