

EOS-402 M730 Zero™ Max

T A G E O S

Datasheet

Optimum Performance and Sustainability for Retail Applications

The EOS-402 M730 Zero Max inlay combines state-of-the-art sustainability with best-in-class global performance in a wide array of retail and supply chain management applications, including those involving boxed merchandise in distribution centers.

Plastic-free and based on FSC® paper, EOS-402 M730 Zero Max offers superior bulk reading characteristics in high-density, close proximity environments and complies with numerous retail-relevant ARC specifications such as F, G, H, I, J, K, L, N, O, Q, R, Y, W1 - W6, emphasizing its applicational versatility.

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



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The EOS-402 M730 inlay is available in dry and paper-face formats.

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, EOS-402 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
- Supply Chain Management



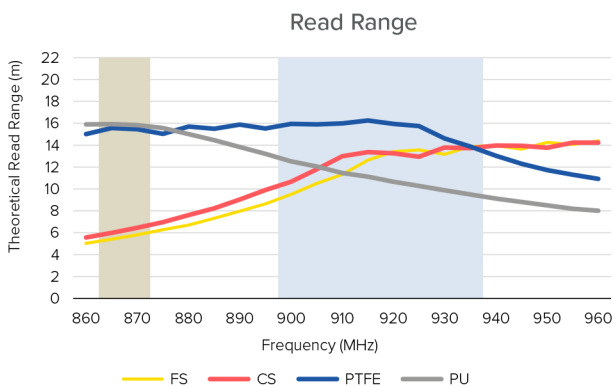


EOS-402 M730 Zero™ Max

T A G E O S

Technical Overview

| | Dry | Paper-face |
|-----------------------|--|--|
| Product Code | 4000000128 | 4000000129 |
| Antenna Size | 70 x 14.5 mm 2.76 x 0.57 in | 70 x 14.5 mm 2.76 x 0.57 in |
| Finish Size | - - | 73 x 17 mm 2.87 x 0.67 in |
| Web Width | 76.0 ± 1 mm 2.992 ± 0.04 in | 76.0 ± 1 mm 2.992 ± 0.04 in |
| Pitch | 20.00 ± 0.2 mm 0.788 ± 0.01 in | 20.00 ± 1 mm 0.788 ± 0.04 in |
| Antenna Material | Aluminium | Aluminium |
| Front Face | - | Paper TT |
| Inlay Substrate | Paper | Paper |
| Inlay Adhesive | - | Permanent |
| Liner | - | Paper |
| Operating Temperature | -20°C / +50°C -4°F / +122°F | -20°C / +50°C -4°F / +122°F |
| Final Inspection | 100% tested | 100% tested |
| ARC Approvals | F, G, H, I, J, K, L, N, O, Q, R, Y, W1 - W6 | F, G, H, I, J, K, L, N, O, Q, R, Y, W1 - W6 |



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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