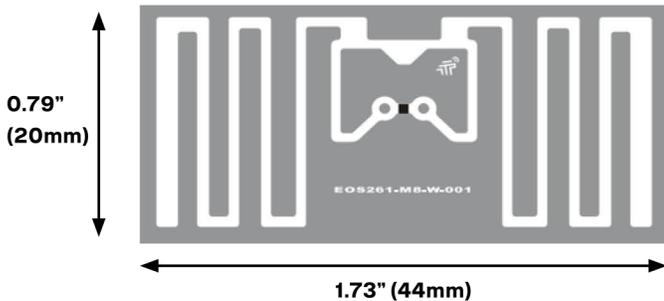




Tageos EOS-261 M830 RFID Inlay

General Purpose, Zebra-Certified RFID Inlay

Unlock new levels of efficiency and accuracy with the Tageos EOS-261 M830 RFID inlay, specifically engineered for the rigorous demands of modern supply chain, inventory, and asset management. Powered by the cutting-edge Impinj M830 chip, this inlay offers a significant leap in performance, delivering exceptional reliability where it matters most. Experience the benefits of a superior read range, faster processing speeds, and pinpoint accuracy, all designed to ensure seamless integration and optimized performance across your diverse operational environments.



High-performance RFID Inlay

The EOS-261 Inlay features the advanced Impinj M830 IC, with Gen2X capabilities which improve reliability and efficiency in complex deployments. Engineered for high-speed performance in demanding environments. This advanced inlay design enables quicker, more frequent inventory counts and accelerates data processing, allowing your business to maintain real-time stock accuracy with minimal operational downtime. For industries such as retail, this translates directly into a competitive advantage by ensuring products are always available, which boosts customer satisfaction and drives sales.

Assured Performance

Zebra employs ISO 9001 quality processes to reduce instances of unsuccessful encoding. We pre-test labels with Zebra readers and printers to ensure industry-leading performance. And we offer the latest generation of chips and consistent label materials from order to order to deliver always reliable, high-quality RFID labels and tags every time.

Enhanced Read Range and Sensitivity

The EOS-261 M830 RFID inlay incorporates advanced antenna design and superior chip technology, resulting in exceptional read range and sensitivity. This ensures that data is captured accurately and consistently, even in environments with dense tag populations or where tags are placed on challenging materials. This high level of performance minimizes missed reads and increases the reliability of your inventory data.

Unmatched expertise in RFID

Zebra is your trusted expert in all things RFID. We offer end-to-end RFID solutions – including pre-tested RFID supplies made with the right materials and adhesives, along with the highest-performing inlays and chips – customized for your application. We have played a central role in pioneering RFID technologies and defining global standards since the mid-1990's, when smart-label technology first appeared. We were recognized as the #1 RFID brand by the 2018 RFID Journal's Brand Report. And we hold more than 575 RFID patents and numerous industry firsts in RFID.

RFID Specifications

Product Name	Tageos EOS-261 M830
Technical Information	
Chip	Impinj M830 with Gen2X features
EPC Memory	128 bit
User Memory	N/A
TID	96 bit factory locked (48 bit unique)
Read Sensitivity	-25.5dBm
Write Sensitivity	-20dBm
RFID Standards	EPC Gen2v2
Read Range	Up to 15m (frequency and substrate dependent)
Theoretical Read Range: ETSI (865-868 MHz)*	
Air	12m
Cardboard	15m
Fiberglass	8m
Glass	8m
PTFE	14m
Polyacetyl	8m
PVC	8m
Rubber	8m
Theoretical Read Range: FCC (902-928 MHz)*	
Air	14m
Cardboard	10m
Fiberglass	12m
Glass	8m
PTFE	9m
Polyacetyl	12m
PVC	12m
Rubber	9m

Testing and Compliance

All inlays certified by Zebra have been pre-tested with Zebra printers and readers.

Material Testing in End Application

The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

Warranty

Supplies are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit www.zebra.com/warranty

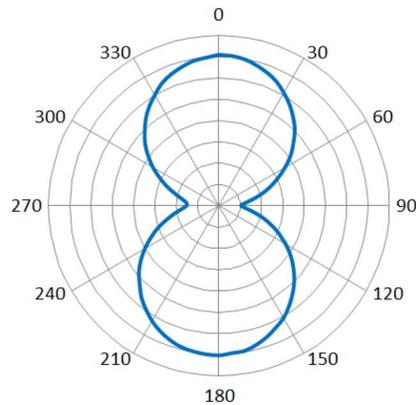
Footnotes

* Theoretical read range data is meant to be directional. Actual performance.

Specifications are subject to change without notice.

Radiation Pattern

**Read range drops to 12% of maximum when inlay is perpendicular (90° and 270°) to reading antenna. To learn more about radiation pattern, visit zebra.com/rfidlabels



Markets and Applications

Healthcare

- Item and case level labeling

Transport and Logistics

- Item and case level labeling

Manufacturing

- Item and case level labeling: automotive and industrial MFG

Retail

- Multiple itemlevel labeling: apparel, accessories, electronics, etc.

Z-Perform 2000D Label

Direct thermal smooth paper label with a permanent acrylic adhesive

Whether you are printing shipping labels for e-commerce or labeling food products, you need reliable, high-quality trouble-free printing. And Zebra's Z-Perform 2000D label delivers. This direct thermal white paper label is engineered for quality and durability at an economical price. It's all-temperature permanent acrylic adhesive can be applied to surfaces as cold as -40°F/-40° C and meets FDA 175.105 for indirect food contact requirements. Its protective topcoat delivers optimal print quality when printing up to 8 inches per second, while ensuring minimal printhead wear. And with Zebra's legacy of craftsmanship and durability, you can count on optimized performance – with each and every label. Z-Perform 2000D labels are recommended for a wide variety of labeling applications.



Print Confident. Print Quality. Print Zebra.

Printing supplies can impact everything from printhead lifespan to operational efficiency. That's why we design, produce and rigorously pre-test our own line of thermal printing supplies to ensure consistent, optimized performance. We utilize an ISO 9001 certified, 23-point inspection process and consistent materials to ensure reliable performance from order-to-order. No matter when you order your labels, you can count on the same consistent performance.

Specially coated for trouble-free print

Z-Perform 2000D labels feature a protective topcoat for ultra-smooth printing that preserves the printhead of your printer. You also get excellent print quality and sharp definition. And the coating offers enhanced resistance to moisture, oils and other environmental factors to increase the durability of your labels.

Optimized for use with food products and in cold environments

With its all-temperature permanent acrylic adhesive, these labels can be securely applied in temperatures as low as -40°F/-40° C and will remain adhered in temperatures of -65°F to 131°F/-54°C to 55°C, making them perfect for use on assets in cold environments. The adhesive meets FDA 175.105 for indirect food contact and can be applied to shrink wrap and other food packaging.

Zebra ZipShip – on the shelf and ready to ship

Need your labels in a hurry? Z-Perform 2000D labels are part of our Zebra ZipShip Program – on the shelf and ready for immediate dispatch. You get fast shipment – and the minimum order is just one box.

Customization Available

Zebra can deliver Z-Perform 2000D labels in just about any size, shape or label set configuration to meet the requirements of your application and process. In addition, our flexographic print presses can add pre-printed text, graphics and color.

Specifications

Material Construction

Raw Material Number	65791RM
Facestock	Direct thermal white smooth coated paper 3.0 mil/76.2 microns
Adhesive	All-temp, acrylic adhesive 0.5 mil/12.7 microns
Liner	40 lb/59 gsm semi-bleached kraft stock 2.5 mil/63.5 microns
Total Thickness (+/-10%)	6.0 mil/152.4 microns
Environment	Indoor use; cold temperature compatible

Temperature Performance

Minimum Application Temperature ¹	-40° F/-40°C
Service Temperature Range ²	-65° F to 131° F/-54° C to 55° C

Recommended Printers and Ribbons

Printers	Direct thermal printer; use Zebra desktop, industrial and mobile thermal printers for optimal performance
Ribbons	N/A

Adhesive Strength

Corrugate	5 minute dwell time: 17 oz/in.
	24 hour dwell time: 18 oz/in.
Steel	5 minute dwell time: 49 oz/in.
	24 hour dwell time ³
Polycarbonate	5 minute dwell time: 57 oz/in.
	24 hour dwell time ³
Polyethylene	5 minute dwell time: 26 oz/in.
	24 hour dwell time: 46 oz/in.

Chemical Resistance

Weak Chemicals

Blood	Not Recommended
Body Fluid	Not Recommended
Salt Water	Test in your application
Water	Test in your application
Window Cleaner	Not Recommended

Moderate Chemicals

Alcohol	Not recommended
Ammonia	Not recommended
Bleach	Not recommended
IPA	Not recommended

Harsh Chemicals

Gasoline	Not recommended
Grease	Not recommended
Oil	Not recommended

Extreme Chemicals

Acetone	Not recommended
IR Reflow	Not recommended
MEK	Not recommended
TCE	Not recommended
Xylene	Not recommended

Regulatory and Compliance

FDA 175.105 for direct contact with dry foodstuffs, or alternatively separated by a functional barrier; BPA and latex free

Product Performance and Suitability

Recommended storage conditions	1 year duration when stored at 72° F/22° C at 50% RH
Expected life span in application ⁴	Indoor use, for 1 year+
Sample Part Number	SAM65791

Material Testing in End Application

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Warranty

Supplies are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit www.zebra.com/warranty.

Footnotes

1. When the label is applied, the environment and surface should be above this temperature.
2. Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range.
3. Attraction between adhesive and surface is so great that the facestock rips.
4. Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated.

Markets and Applications

Warehousing

- Compliance labeling
- Shipping labeling

Manufacturing

- Product identification
- Work-in-process

Other

- Standard box labeling



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