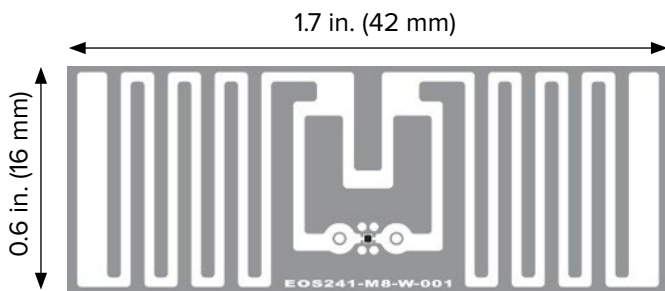


Tageos EOS-241 M830 RFID Inlay

Next-generation Zebra-Certified RFID Inlay

The general purpose Tageos EOS-241 M830 Inlay incorporates the advanced Impinj M830 IC with G2X capabilities, offering enhanced read performance and data throughput for effective inventory and asset management. Its small form factor makes it ideal for item-level tracking applications across various industries, such as retail, transport and logistics, supply chain, and healthcare, thereby improving operational efficiency and accuracy. This Zebra-Certified inlay has been tested for optimal performance with Zebra printers and RFID readers, ensuring efficient encoding and reading processes. As a result, it delivers a superior user experience and maximizes application ROI.



Unmatched Expertise in RFID

Zebra is your trusted expert in all things RFID. We offer end-to-end RFID solutions – including pre-tested RFID labels made with the right materials and adhesives, along with the highestperforming inlays and chips – customized for your specific application. We have played a central role in pioneering RFID technologies and defining global standards since the mid-1990s when smart label technology first emerged. We hold more than 575 RFID patents and numerous industry-firsts in RFID.

Print Confident. Print Quality. Print Zebra.

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 you 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.

Designed for Use On Small Items

The 42 x 16mm size of the Tageos EOS-241 makes it the perfect choice for the identification of small items. With read ranges of up to 13 meters, it provides reliable tracking even in challenging environments.

Custom RFID Labeling Solutions

We offer custom products for different label sizes or features, with 10+ stock items enabling you to get up and running with minimal investment and a short lead time. With our state-of-the-art presses and RFID manufacturing equipment, we can create a customized RFID labeling solution to meet the unique requirements of your application. And we can quickly recommend the optimal label material and inlay to achieve maximum ROI.

Tageos EOS-241 M830 RFID Inlay - General purpose Zebra-Certified RFID Inlay featuring the advanced Impinj M830 IC with G2X capabilities.

For more information visit www.zebra.com/rfidlabels

Specifications

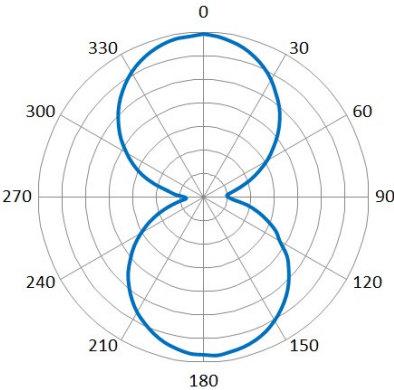
Technical information	
Chip	Impinj M830 with G2X features
EPC memory	128 bit
User memory	N/A
TID	96 bit factory locked (48 bit unique)
Read sensitivity	-25.5dBm
Write sensitivity	-20dBm
RFID standards	EPC Gen2v2
Read range	Up to 13m (frequency and substrate dependent)
Theoretical Read Range: ETSI (865-868 MHz)*	
Air	12m
Cardboard	8m
Fiberglass	6m
Glass	6m
PTFE	9m
Polyacetyl	7m
PVC	7m
Rubber	6m
Theoretical Read Range: FCC (902-928 MHz)*	
Air	13m
Cardboard	7m
Fiberglass	10m
Glass	7m
PTFE	8m
Polyacetyl	9m
PVC	9m
Rubber	6m
Product Performance and Suitability	
Operating Temperature	-40°C / +85°C
Storage Temperature	-55°C / +125°C
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 will depend on your application and environment. Testing is recommended.
Radiation Pattern
To learn more about Radiation Pattern, visit www.zebra.com/rfidlabels

Markets and Applications

- Logistics**
- Item level labeling
- Retail**
- Item level labeling
- Healthcare**
- Sample tracking
- Automotive**
- Case/item level labeling
- Transportation**
- Case/pallet labeling
- Public Sector**
- Item level labeling

Radiation Pattern



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