



# Tageos EOS-200 U9XE RFID Inlay

## General Purpose, Zebra-Certified RFID Inlay

RFID inlays are critical to achieve the real-time visibility needed to streamline operations, minimize errors in asset-related data, as well as track, identify, and maximize asset utilization. Zebra Certified Inlays deliver excellent performance, so you can rest assured that they will efficiently and effectively encode and read, leading to a higher application ROI, and best in-class user experience. The general-purpose Tageos EOS-200 U9XE RFID inlay is perfect for labeling smaller items. Tested for optimal performance with Zebra printers and RFID readers, the Tageos EOS-200 U9XE RFID inlay enables you to maximize the benefits of RFID.



### Small antenna, perfect for use on tiny items

The Tageos EOS-200 is 0.79 x 0.39 in (20 x 10 mm) making it the optimal choice for the RFID identification of small items.

### UCODE 9XE Chip

Designed to meet the demanding requirements of modern asset tracking, inventory management, and supply chain logistics, the UCODE 9XE is engineered for superior performance and reliability. This next-generation RFID chip offers unparalleled sensitivity and extended read ranges, ensuring accurate and efficient data capture even in challenging environments. With its rapid read and write capabilities, robust memory options, and compliance with global standards, the UCODE 9XE is poised to revolutionize the way businesses manage and track their valuable assets.

### Zebra Certified for consistently exceptional performance

Zebra is ISO 9001 certified and uses quality processes to reduce instances of unsuccessful encoding. We pre-test labels with Zebra readers and printers to ensure industry-leading performance. Lastly, we use the same label material from order-to-order to safeguard consistency and quality.

### 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.

**Maximize the benefits of RFID on small items with the  
Tageos EOS-200 U9XE RFID Inlay.**

For more information, please visit [www.zebra.com/rfidlabels](http://www.zebra.com/rfidlabels)

# Specifications

## Technical Information

Chip	UCODE 9XE
EPC Memory	128-bit
User Memory	N/A
TID	96 bit factory locked (48 bit unique)
Read Sensitivity	-23 dBm
Write Sensitivity	-18 dBm
RFID Standards	EPC Gen2v2
Read Range	Up to 3.6m

### Theoretical Read Range: ETSI (865-868 MHz)<sup>1</sup>

Air	1.7 m
Cardboard	2.5 m
Fiberglass	2.6 m
Glass	1.7 m
PTFE	2.9 m
Polyacetyl	3.2 m
PVC	3.6 m
Rubber	1.7 m

### Theoretical Read Range: FCC (902-928 MHz)<sup>1</sup>

Air	2.2 m
Cardboard	2.2 m
Fiberglass	1.7 m
Glass	1.4 m
PTFE	2.4 m
Polyacetyl	1.9 m
PVC	2.0 m
Rubber	1.4 m

## Testing and Compliance

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

## Material Testing in End Application

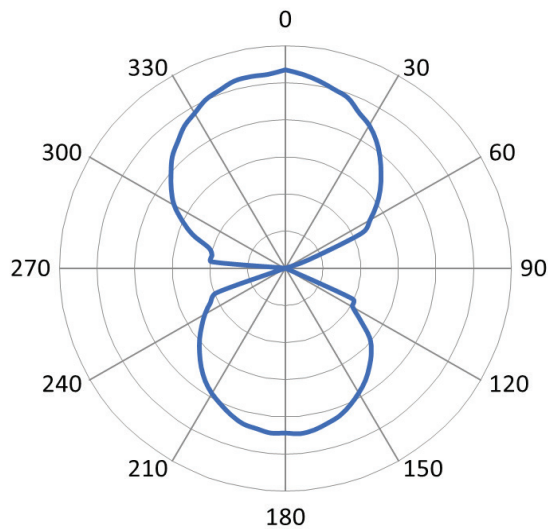
The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

## 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](http://zebra.com/rfidlabels)

## Footnotes

\*Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommend.



## Markets and Applications

### Logistics

- Item level labeling

### Retail

- Item level labeling

### Healthcare

- Sample tracking

### Transportation

- Case labeling



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