Zebra ZBR2200 RFID Inlay

Next-generation Zebra-branded RFID Inlay

Designed by Zebra, a global leader in RFID, the competitively priced, general purpose ZBR2200 RFID inlay delivers excellent performance for manufacturing, retail, transportation, and logistics applications that require long read ranges. The latest Impinj M830 IC with G2X features offers improved read performance and enhanced data throughput for effective inventory or asset management. The chip design ensures reduced power consumption to extend tag lifespan, while increased tag memory supports detailed information storage. These improvements make the M830 ideal for businesses seeking reliable, efficient, and secure RFID solutions that enhance efficiency, optimizing operational workflows and asset management across a comprehensive range of use cases.

Ensure Fast, Accurate Reads at great value
The ZBR2200 general purpose RFID inlay delivers a step change in performance compared with other integrated circuits (ICs). Part of the Zebra RFID Value Tier and fully supported by Zebra RFID readers, it offers increased read ranges and a comprehensive choice of stock and custom options to optimize costs.

Custom RFID Labelling 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 labelling solution to meet the unique requirements of your application. And we can quickly recommend the optimal label material and inlay to achieve maximum 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 highest-performing 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.

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For more information, please 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 19m (frequency and substrate dependent)
Theoretical Read Range: ETSI (865-868 MHz)*	
Air	15m
Cardboard	18m
Fiberglass	13m
Glass	11m
PTFE	18m
Polyacetyl	10m
PVC	13m
Rubber	11m
Theoretical Read Range: FCC (902-928 MHz)*	
Air	19m
Cardboard	14m
Fiberglass	16m
Glass	11m
PTFE	15m
Polyacetyl	13m
PVC	19m
Rubber	11m
Product Performance and Suitability	
Operating Temperature	°F to °F (-40°C / +85°C)
Storage Temperature	°F to °F (-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

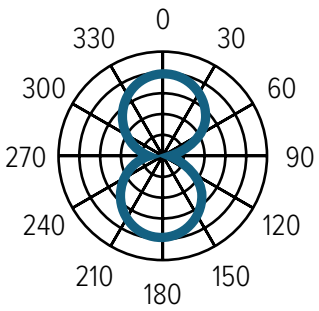
Supplies are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit www.zebra.com/warranty

Footnotes

* Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended.
Specifications are subject to change without notice

Radiation Pattern

To learn more about Radiation Pattern, visit www.zebra.com/rfidlabels



Markets and Applications

Transportation & Logistics
- Pallet, case, and item tracking

Warehousing
- Pallet, case, and item tracking

Retail
- Pallet, case, and item tracking

Healthcare
- Pallet, case, and item tracking

Manufacturing
- Pallet, case, and item tracking

Public Sector
- Pallet, case, and item tracking