



# Datasheet TX9424 U9



## High Performance Global RAIN RFID Inlay for Enhanced Item Performance

Hana’s comprehensive RAIN RFID (UHF) inlay program is tailored for use in applications across various industries, such as apparel/retail, agriculture and food production, and supply chain/logistics.

Offered in a wide range of delivery formats, our inlays are ideal for numerous applications demanding exceptional performance.

### Applications

- Inventory Management
- Asset Management
- Supply Chain Automation

### Industry Segments

- (Industrial) Manufacturing
- Supply Chain & Logistics
- Retail

### Overview

Antenna Size	94 x 24 mm (3.701 x 0.945")
IC	NXP UCODE9
EPC Memory	96-bit
User Memory	-
TID Memory	96-bit
Frequency Band	UHF 860 - 960 MHz
Protocol	EPC Global Gen 2v2 ISO/IEC 18000-63 Type C
Delivery Formats	Dry Inlay, Wide Web, Wet Clear, Wet White Paperface

### Quality & Certification

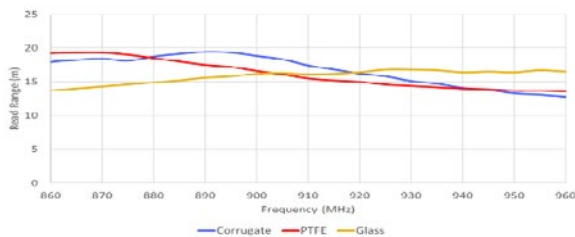
ARC Certified	-
Inspection	100% Tested
RoHS	EU Directive 211/65/EU and 2015/863 compliant

# Technical Overview

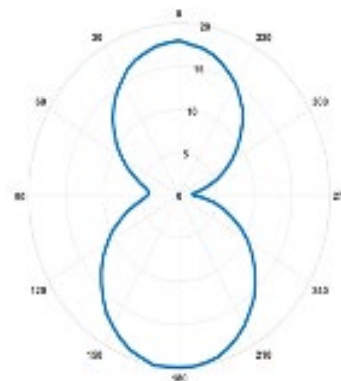
	Dry Inlay	Dry Wide Web	Wet White Paperface	Wet Clear
Product Code	TX9424AU9	TX9424A108U9	TX9424AU9-WW	TX9424AU9-WC
Antenna/tag Size	94 x 24 mm 3.701 x 0.945"	94 x 24 mm 3.701 x 0.945"	97 x 27 mm 3.818 x 1.063"	97 x 27 mm 3.838 x 1.063"
Web Width	100 mm 3.937"	108 mm 4.252"	104,775 mm 4.125"	104,755 mm 4.125"
Pitch	31,75 mm 1.25"	31,75 mm 1.25"	31,75 mm 1.25"	31,75 mm 1.25"
Inlays per Roll	15.000	15.000	9.000	9.000
Antenna Material	Aluminium	Aluminium	Aluminium	Aluminium
Inlay Substrate	50um PETm 9UM AI	50um PETm 9UM AI	50um PETm 9UM AI	50um PETm 9UM AI
Facesheet Properties	N/a	N/a	40# Thermal Transfer Paper	50um PET
Adhesive Properties	N/a	N/a	Acrylic Permanent	Acrylic Permanent
Operating Temperatures	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F
Adhesive Application	N/a	N/a	-4°C 25°F	-4°C 25°F
Adhesive Service Temperature (range)	N/a	N/a	-59 to 93°C -75 to 200°F	-59 to 93°C -75 to 200°F



## Read Range



## Orientation Sensitivity



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Warranty: Please refer to Hana's UHF Labels standard terms and conditions. RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the requirements. Hana Technologies, Inc. does not represent that this product is fit for any particular purpose or use. The information contained herein is believed to be reliable but Hana Technologies, Inc. makes no representation concerning the accuracy or correctness of the data.

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