



## Magnetic AM/RFID 2D Barcode Tag

This Magnetic AM/RFID 2D hard tag combines trusted EAS protection with the item-level visibility and inventory management only RFID can provide. The tag's RFID component stores item-specific information directly on the tag – delivering near real-time item-level visibility while the AM EAS component delivers asset protection.

This durable tag features a laser-etched 2D barcode that allows retailers to program item-specific information directly onto the tag using a compatible mobile reader. The barcode is especially helpful when a swing ticket is missing from tagged merchandise, allowing store associates to quickly scan and retrieve point-of-sale (POS) data necessary to complete the checkout process.

With this tag retailers can continue using non-RFID barcode readers at POS to process transactions. This hard tag is intended for in-store application.

### Retailer Values

- // RFID component offers an efficient way to track inventory, while AM EAS component protects products from theft
- // Item-specific information can be programmed directly on tag with compatible mobile reader, without investing in additional RFID hardware and infrastructure
- // RFID element enables near real-time merchandise visibility and improves inventory accuracy
- // Supports global frequencies and provides reliable RFID performance

### Solution Application

Apparel, General Merchandise

### Product Codes

**9kG** - IDTM2220N2D

**5kG** - IDTM2225N2D

### Tack:

MJ200-G

### Product Compatibility

#### Detachers

Magnetic 9kG Detacher

Magnetic 5kG and 9kG Detachers

Magnetic 5kG Detacher

### Readers

Multipurpose RFID Reader

Compatible to industry EPC Gen2 Reader

### Detacher Type

Magnetic

### Environmental Constraints

#### Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH

#### Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

### Materials of Construction

#### Tag Housing

High-Impact ABS

#### Label Housing

Low Density Polyethylene/Polyester/  
Polyethylene 0.127mm (0.0050in)

#### RFID Inlay

Aluminum, Mylar, Silicon

#### Tack

ABS Tack Head/Stainless-Steel Pin

**Specifications**

**Color** ..... Light Gray  
**Length** ..... 61.0mm (2.4in)  
**Width** ..... 30.5mm (1.20in)  
**Depth** ..... 19.9mm (0.78in)  
**Weight** ..... with Tack: 8.8g (0.019lbs)  
**EPC Memory** ..... 96 bits  
 Up to 128 bits

**Operating**

**RFID Frequencies** ..... 860-928MHz  
**Pullout Force** ..... 56.8kg (125lbs)  
**Lock Magnetic Strength** ..... 5kG, 9kG  
**Order Multiple** ..... Tag: 1,000  
 Tack: 5,000

**Carton Weight**

**Tags** ..... 10kg (22lbs)  
**Tack** ..... 5.82kg (12.80lbs)  
 (5,000/box)

**Ext. Carton Dims.**

**Tag** ..... 370 x 370 x 280mm  
 (14.57 x 14.57 x 3.15in)  
**Tack** ..... 370 x 370 x 195mm  
 (14.57 x 14.57 x 7.68in)

**Cartons Per Pallet**

**Tag** ..... Atlanta DC: 32  
**Tag** ..... Echt DC: 48

**CE** The radio frequency (RF) label is in conformity with RoHS II Directive 2011/65/EU and REACH Substances of Very High Concern as defined in Regulation (EC) No 1907/2006 and subsequent amendments to both.



IDTM2225N2D - 5kG



IDTM2220N2D - 9kG.