

## Product profile

# RFID Smart Labels



- Passive RFID inlays meet Gen2/18000-6C requirements
- Take from stock carton (4.0 x 2.) and pallet (4.0 x 6.0) sizes available in thermal transfer paper
- Variety of inlays, face stocks, adhesives, and tag materials available as custom configurations
- Manufacturing and validation processes result in quality products
- Intermec Media Products is a supplier qualified RFID converter
- Recommended RFID enabled printers include the PM4i, PX4i, PX6i, and the PF2i bag tag printer

Intermec has long been recognized as leader in RFID technology. Intermec's Smart Labels combine the most current UHF inlays with a variety of thermal transfer or direct thermal printable materials to offer a broad selection of products suitable for a wide range of applications.

Intermec's flexible RFID labels provide an architecture that can be deployed in open or closed loop environments. Our RFID manufacturing process enables the integration of inlays available from all of the leading suppliers into our Smart Labels to produce custom tailored configurations to satisfy performance and operability demands.

With expertise in both RFID and label technology, Intermec offers multiple face stock and adhesive options as well as non-pressure sensitive tag materials to meet the rigorous requirements in numerous applications in areas such as:

- Compliance mandates
- DoD
- Retail
- Pallet and tote tracking
- Work in Process
- Access control
- Agriculture
- Inventory management
- Track and Trace
- Consumer good distribution
- Document and record tracking
- Asset tracking
- Postal/Parcel tracking

### The Intermec Advantage

The Intermec Smart Label solutions have added advantages when paired with Intermec RFID printers:

- Co-engineered printers and RFID media provide a winning combination of excellent print quality and reliability
- The use of Genuine Intermec Media insures consistent performance through the printer and the end use application resulting in a smart printing solution that can be deployed with confidence in a broad range of customer environments
- Thermal transfer and direct thermal printability and chip encoding allow on demand generation of durable labels eliminating high cost and inventory obsolescence associated with pre-printing and pre-encoding
- When Genuine Intermec Media is used exclusively with Intermec printers, the Free Printhead Replacement program lowers the total cost of ownership.



## Product Characteristics (Take From Stock Products)

### Facestock

**Description:** Coated Thermal Transfer Paper  
**Caliper:** 2.7 – 3.3 mils

### Adhesive

**Description:** Permanent Acrylic  
**Caliper:** 0.4 – 0.6 mils

### Liner

**Description:** 40# White Kraft  
**Caliper:** 2.2– 2.8 mils

### Inlay

**Type:** AD223  
**Manufacturer:** Avery Dennison  
**Frequency:** (MHz) 860 – 960  
**Antenna:** Aluminum  
**Memory:** 96-bit EPC Gen2 18000-6C  
**IC:** Impinj Monza 3

### Ribbon Compatibility

TMX1500  
TMX2200

### Environment

**Storage Temperature:** +40°F to +80°F  
**Storage Humidity:** 35% to 75%  
**Shelf Life:** 12 months  
**Inlay operating Temperature:** -40°F to +185°F  
**Service Temperature:** -65°F to +200°F

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