

## Product Profile



- Ideal for a variety of applications requiring encapsulated inlays
- Longer range than most RFID card form factors
- Superior performance on multiple surfaces
- Reusable for lower cost per use
- Optional magnetic stripe
- FCC and ETSI configurations

### IT32A GEN 2 ID CARD

The IT32A, Intermec Technologies' latest version of an RFID UHF identification card, offers broader applicability than its predecessor with not only EPC Gen 2 / ISO 18000-6C air interface protocol, and both FCC (915 MHz) and ETSI (865 MHz) configurations, but also a longer read range than most RFID card form factors. While the IT32A ID card is primarily intended for use as an identification badge for long range ingress / egress monitoring, its longer read range and durable packaging make it the ideal RFID tag for a variety of other applications.

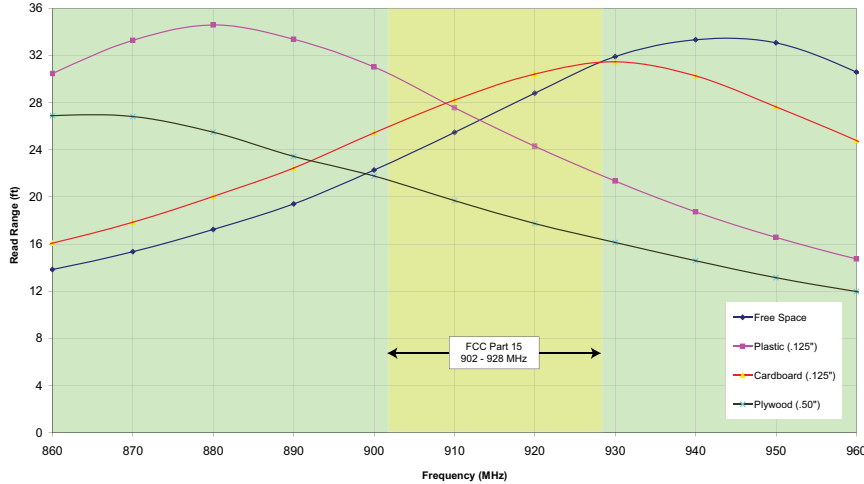
Although the IT32A shares a similar form factor to high frequency (HF) proximity cards, the similarities end there. The Gen 2 technology allows for multiple tag reads, faster read rates and greater range, and unlike earlier UHF products, this card can be read even when placed close to the body. These features make the IT32A the ideal choice for tracking entrances,

exits and traffic patterns within a closed environment such as an office, trade show or hospital.

The card can be obtained with optional magnetic stripe and can be punched to allow mounting or accommodate a hanging strap. The card can also be printed with human and machine readable code to allow use as a rugged hanging tag, a nameplate or a lower cost, thin profile reusable container tag. The card can be attached to an object using double-sided tape, non-metallic fasteners or a suitable adhesive coated foam "standoff" (for application to metal surfaces).

Intermec manufactures a complete line of readers that are compatible with the Gen 2 ID Card. Competitive readers conforming to the Gen 2 and ISO 18000-6C protocols can also read the Gen 2 ID Card.

**Gen 2 / ISO 18000-6C ID Card**  
Typical Range Performance for FCC Configuration



**Note:** Above performance data was measured in laboratory conditions at 4 watts EIRP. Actual performance will vary depending upon environmental factors and the material to which the tag is affixed.

**Physical Characteristics**

**Length:** 8.57 cm (3.38 in)  
**Height:** 5.40 cm (2.13 in)  
**Thickness:** .08 cm (.03 in)

**Card Material:** PVC

**Environmental**

**Operating Temperature:** -10° to 50°C (14° to 122° F)  
**Recommended Storage:** -10° to +35°C (14° to 95° F) (at 30% - 60% RH)

**Integrated Circuit**

**IC Type:** Impinj Monza  
**IC Protocol:** EPC Class 1 Gen 2 / ISO 18000-6C  
**Tag Memory:** 96 bit Read / Write

**RFID Frequency Ranges**

865, 869 and 915 MHz

**Data Retention**

10 years for each write cycle up to 1,000 cycles  
1 year for each write cycle up to 100,000 cycles

**Order Information**

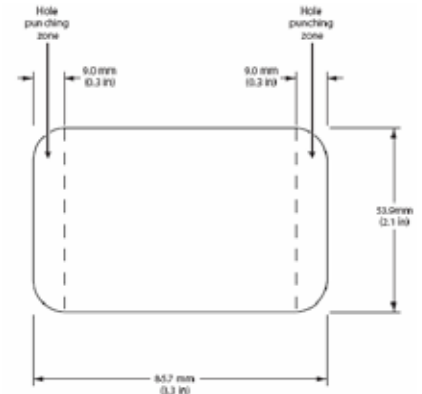
Part Number	Frequency of Operation	Format
IT32A04FST001	902 – 928 MHz	Blank
IT32A04FST002	902 – 928 MHz	Magnetic Stripe
IT32A03FST001	863 – 870 MHz	Blank
IT32A03FST002	863 – 870 MHz	Magnetic Stripe

**Restrictions on Use**

Some approvals and features may vary by country and may change without notice. Please check with your local Intermec sales office for further information.

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