

## Product Profile

- Rugged encapsulation for harsh environments
- Consistent UHF range performance worldwide
- Available with Gen 2 and ISO 18000-6B silicon
- Delivers superior performance on a variety of materials
- Reusable for lower cost per use



### UHF LARGE RIGID RFID TAG

Intermec's Large Rigid tag is a truly passive UHF radio frequency identification (RFID) transponder that delivers superior performance on a variety of surfaces including plastic, wood and metal. The tag, available in both Gen 2 and ISO 18000-6B versions, combines an impressive range with a rugged yet compact package designed for harsh industrial applications and temperatures ranging from -40° to 250° F (-40° to +121° C). No other tag on the market can claim the ruggedness and worldwide usability of these tags.

The Large Rigid tag has a wide band antenna design, which allows for a single tag to be used virtually anywhere in the world with consistent UHF range performance. The EPC Global Gen 2 version of the large Rigid Tag has 96 bits of memory, while the ISO 18000-6B version has 2024 bits of memory. Additionally, the tag has a robust physical package and is designed for exposure to substances and harsh chemicals representative of typical industrial applications, including machining oil, gasoline, motor oil, methyl ethyl ketone (MEK), isopropyl alcohol, methyl alcohol, mineral spirits, acetone, and kerosene.

Typical applications include:

- Tractors and trailers
- Reusable plastic containers (RPC)
- Metal cages
- Wood and plastic pallets
- Unit loading devices (ULD)

#### Attachment Methods

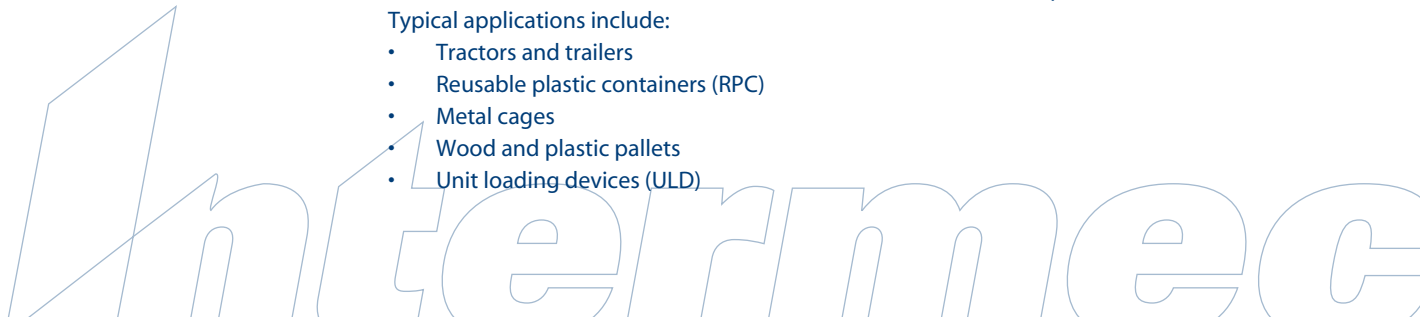
The tag can be attached using screws, rivets, double-sided adhesive strips, or a variety of other methods appropriate for the application, and includes two mounting holes for up to #6 hardware (not included).

#### Reader Compatibility

Intermec manufactures a complete line of readers that are compatible with the large Rigid Tags as indicated in the table below.

Tag Type	Intermec Reader Models
EPC Global Gen 2	IP4 Hand-Held Reader IF4 Fixed Serial Reader IF5 Fixed Network Reader IV7 Vehicle Mount Reader
ISO 18000-6B	IP3 Hand-Held Reader IP4 Hand-Held Reader Pennsylvania Fixed Serial Reader IF4 Fixed Serial Reader IF5 Fixed Network Reader IV7 Vehicle Mount Reader

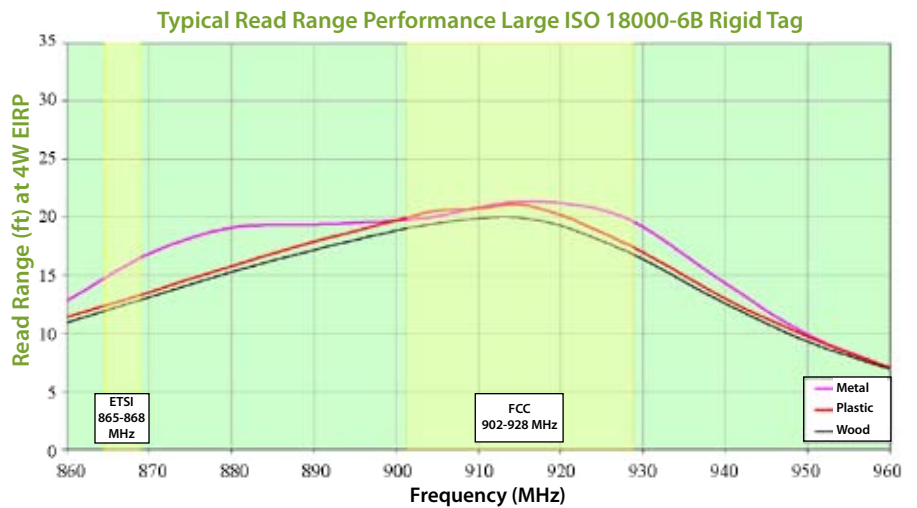
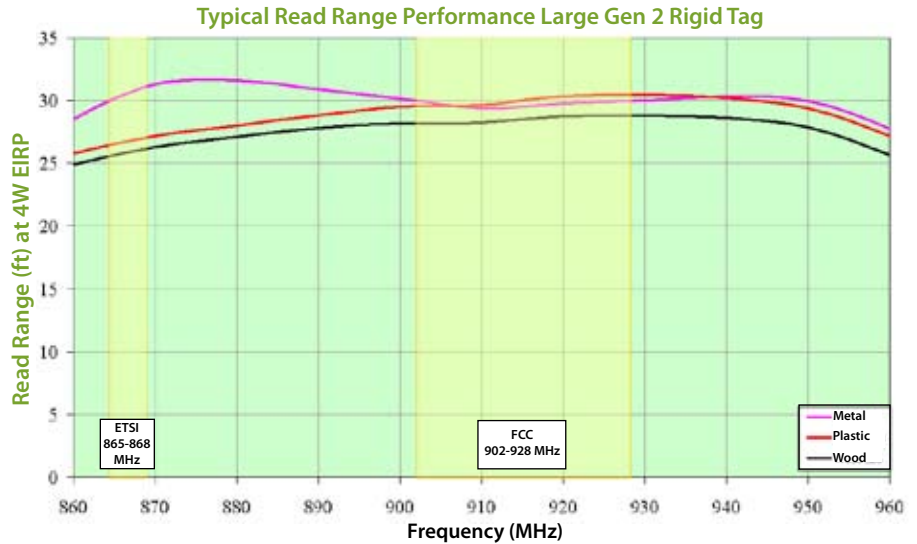
The EPC Global Gen 2 and ISO 18000-6B large Rigid Tags are also compatible with competitive readers operating under the established standards for the respective Gen 2 and 18000-6B protocols.



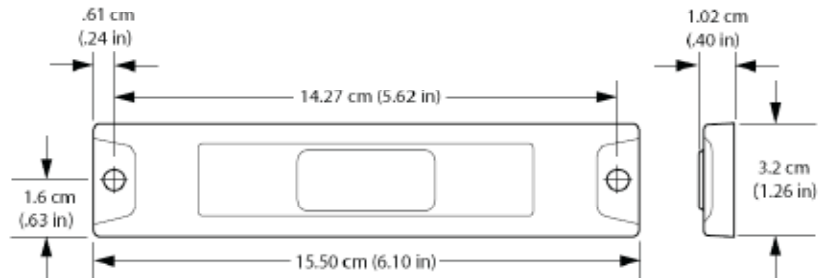
**Application Temperature**  
-40°F to 250°F (-40°C to 121°C)

- Chemical Resistance**
- Machining oil and fluid
  - Gasoline
  - Motor oil
  - Methyl Ethyl Ketone (MEK)
  - Isopropyl alcohol
  - Methyl alcohol
  - Mineral spirits
  - Acetone
  - Kerosene

**Note**  
Actual range performance may vary depending on power output, temperature and other environmental factors.



**Size**  
3.2 cm x 14.27 cm (1.26 in x 6.1 in)



**North America**  
Corporate Headquarters  
6001 36<sup>th</sup> Avenue West  
Everett, Washington 98203  
tel: 425.348.2600  
fax: 425.355.9551

550 2nd Street S.E.  
Cedar Rapids, Iowa 52401  
tel: 319.369.3100  
fax: 319.369.3453

**Media Supplies**  
9290 Le Saint Drive  
Fairfield, Ohio 45014  
tel: 513.874.5882  
fax: 513.874.8487

**Canada**  
7065 Tranmere Drive  
Mississauga, Ontario  
L5S 1M2 Canada  
tel: 905.673.9333  
fax: 905.673.3974

**Europe/  
Middle East & Africa  
Headquarters**  
Reading International Business Park  
Basingstoke Road  
Reading RG2 6DD  
United Kingdom  
tel: 44.118.923.0800  
fax: 44.118.923.0801

**Asia**  
**Asia Regional Office**  
26-16 International Plaza  
10 Anson Road  
Singapore 079903  
tel: 65.6324.8391  
fax: 65.6324.8393

**Beijing Representative Office**  
29 FL, Unit A1, China Merchant Tower  
118 Jian Guo Road  
Chaoyang District, Beijing 100022  
Tel: 86.10.5165.5922  
Fax: 86.10.6567.6778

**Australia**  
Level 4, 1-3 Atchison Street  
St. Leonards, NSW 2065  
Australia  
tel: 61.2.9330.4400  
fax: 61.2.9437.0204

**South America & Mexico**  
**Intermec South America Ltda.**  
Rua Samuel Morse 120 9 andar  
Brooklin CEP04576-060  
São Paulo, SP  
Brazil  
tel: 55.11.5502.6770

**Intermec Technologies de Mexico**  
Av Tamaulipas #141, Primer Piso  
Col. Hipodromo Condesa  
Mexico, DF, 06140 Mexico  
tel: 525.55.241.4800  
fax: 525.55.211.8121

**Internet**  
[www.intermec.com](http://www.intermec.com)

**Sales**  
800.934.3163  
(toll free in N.A.)  
tel: 425.348.2726

**OEM Sales**  
tel: 425.348.2762

**Customer Service and  
Support**  
800.755.5505  
(toll free in N.A.)  
tel: 425.356.1799

Copyright © 2006 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. Printed in the U.S.A.  
611752-01A 05/06

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.

