

IT65

Large Rigid Tag

Durable Passive UHF RFID Tag



- Rugged encapsulation for harsh environments
- Consistent range performance worldwide
- EPCglobal Class-1, Generation-2 (Gen 2)
- Superior performance on a variety of materials
- Reusable for lower cost per use
- RoHS and WEE compliant

Intermec's IT65 Large Rigid Tag (LRT) is an EPCglobal Class-1, Generation-2 (Gen 2) passive UHF RFID transponder that delivers superior performance on a variety of surfaces including plastic, wood and metal. The tag is designed to support a global UHF frequency band, which enables it to be used virtually anywhere in the world while maintaining superior read range performance.

The tag's rugged, compact package is designed for harsh environments with temperatures ranging from -40° to 250° F (-40° to +121° C). The robust physical package is designed for exposure to substances and 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.

No other tag on the market offers the combination of superior long-range performance, ruggedness, and worldwide compatibility of the IT65.

Typical applications include:

- Shipping containers
- Trailers
- Heavy machinery
- Metal cages
- Unit Loading Devices (ULDs)

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 IT65 Large Rigid Tag, including:

- IF2 Network Reader
- IF61 Enterprise Reader
- IP30 Handheld Reader
- IV7 Vehicle Mount Reader

The IT65 tag is also compatible with competitive readers operating under the established EPCglobal Gen 2 protocol standard

Air Interface

EPCglobal Class-1, Generation-2 (Gen 2)

Silicon Type

Impinj Monza 1a

96 bit EPC code, unprogrammed

Operating Frequency

UHF global 860 - 960 MHz

Temperature Range

-40°F to 250°F (-40°C to 121°C)

Chemical Resistance

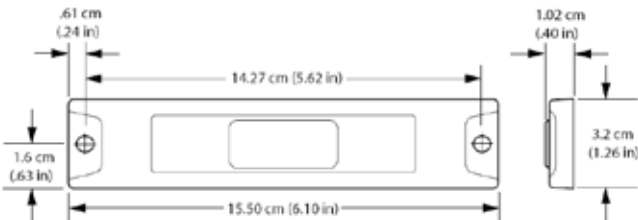
- Machining oil and fluid
- Gasoline
- Motor oil
- Methyl Ethyl Ketone (MEK)
- Isopropyl alcohol
- Methyl alcohol
- Mineral spirits
- Acetone
- Kerosene

Size

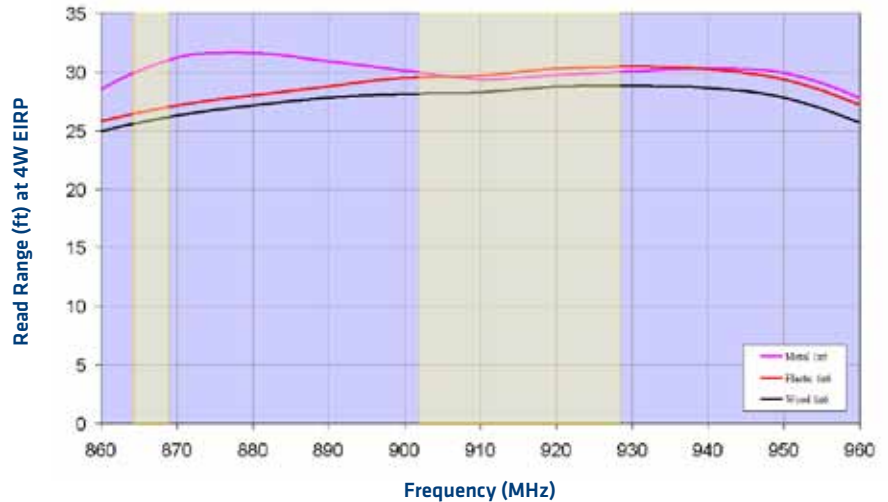
Length: 155 mm (6.10")

Width: 32 mm (1.26")

Thickness: 10.2 mm (0.40")



Read Range Performance of Gen 2/18000-6C Large Rigid Tag



Note

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

North America

Corporate Headquarters

6001 36th Avenue West
Everett, Washington 98203
Phone: (425) 348-2600
Fax: (425) 355-9551

North Latin America

Headquarters Office

Mexico
Phone: +52 55 52-41-48-00
Fax: +52 55 52-11-81-21

South Latin America

Headquarters Office

Brazil
Phone: +55 11 3711-6776
Fax: +55 11 5502-6780

Europe/Middle East & Africa

Headquarters Office

Reading, United Kingdom
Phone: +44 118 923 0800
Fax: +44 118 923 0801

Asia Pacific

Headquarters Office

Singapore
Phone: +65 6303 2100
Fax: +65 6303 2199

Internet

www.intermec.com
Worldwide Locations:
www.intermec.com/locations

Sales

Toll Free NA: (800) 934-3163
Toll in NA: (425) 348-2726
Freephone ROW:
00 800 4488 8844
Toll ROW: +44 134 435 0296

OEM Sales

Phone: (425) 348-2762

Media Sales

Phone: (513) 874-5882

Customer Service and Support

Toll Free NA: (800) 755-5505
Toll in NA: (425) 356-1799



Copyright © 2011 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. 611752-01D 12/11

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

