

Ascendent ID's DuraTag™ tag is part of a high-performance radio frequency identification (RFID) system. The tags are designed to attach to metal and other objects and are ideal for applications in environmentally harsh conditions, such as container tracking and fleet management operations.

Applications

- » Container Tracking
- » Fleet Management
- » Yard Management

Features

- Remote access to data
- Long range
- Rugged construction
- Through-hole mounting
- Lithium battery power
- 2.45 GHz operating frequency
- Spread spectrum communications
- Versatile mounting options
- 256 bytes of read/write user memory
- Partitionable memory

Benefits

- Hands-free operation and increased automation of processes provide operational cost savings
- Up to 70 feet read/write range in typical application installations
- Important asset data is protected, even under heavy vibration and impact, extreme temperatures, exposure to sunlight, wind driven rain, fuels, and solvents
- Secure, easy mounting reduces installation cost
- 8-10 year typical tag life translates to low cost per use
- Enables data collection in a well-defined zone
- Reliable communications in electrically noisy environments
- Can be mounted to metallic or non-metallic surfaces
- "Portable database" eases maintenance and local control of dynamic asset data
- Flexible system design allows multiple levels of access to asset data

Ascendent ID offers a full range of RFID solutions with specific market focus on vehicle access control (AVI), yard management, Toll Roads, load tracking, and commercial fueling.

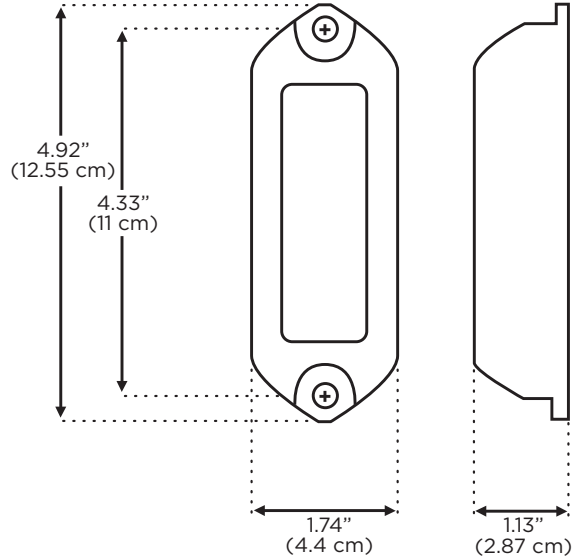
For more information about how Ascendent ID's RFID technology can benefit your business, visit our web site at www.ascendentid.com.



Parameters

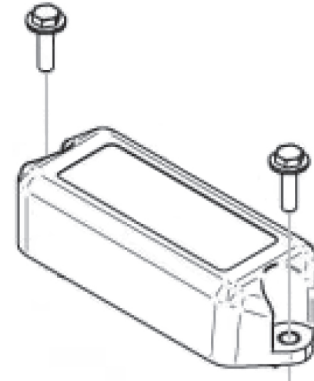
Operating Frequency	2.400-2.483 GHz
Nominal Read/Write Range	70 ft (21 m)
Typical Read/Write Range	50 ft (15 m)
Physical Dimensions	4.92 x 1.74 x 1.13 in (12.5 x 4.42 x 2.87 cm)
Weight	4.17 oz (118 g)
Operational Temperature	-40 to +185°F (-40 to +85°C)
Storage Temperature	-40 to +185°F (-40 to +85°C)
Service Life	8 - 10 years (nominal)
Battery Type	Lithium battery

Specifications

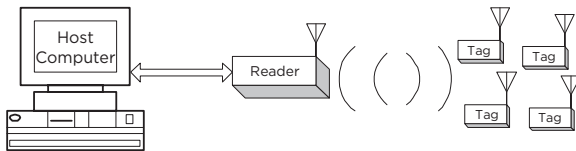


DuraTag™ 4910 Dimensions

1. Nominal Read/Write Range is typical average line-of-site range of the tags when illuminated at the US FCC allowable power level of +36 dBm (28 dBm into a 8.5 dB gain antenna and > 3' cable) in an anechoic chamber with optimum antenna polarization match. (Actual performances will vary depending upon ambient conditions and power level.)
2. Typical Read/Write Range is average line-of-site range of the tags when installed in a typical application. (Actual performance will vary depending upon ambient conditions and power level.)
3. Service life specified under typical usage conditions (average transactions per week of 15,000 or less; 16ms wake-up period).



DuraTag™ 4910 Mounting Diagram



Typical Configuration

A typical system configuration includes a host computer, a reader, and RFID tags (DuraTag™).