

Omni-ID® Exo 210

Omni-ID Exo 210 is a low profile, small form factor durable RFID tag. Designed with a tough, yet flexible, encapsulation, Exo 210 can be applied in locations where human handling may occur. High impact and vibration performance ensure the Exo 210 can be deployed in harsh industrial and outdoor environments for prolonged periods.

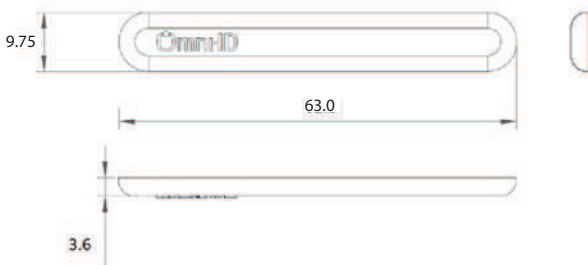
Building Intelligent Supply Chains

With its durable flexible encapsulation and small size, Omni-ID Exo 210 tags are ideally suited to tool tracking and industrial asset tracking applications including attachment to :

- ▶ Tools including wrenches and ratchet tools.
- ▶ Any fixed or mobile industrial assets.
- ▶ Field IT assets.

Physical Specifications

| | |
|------------|--------------------------------|
| Encasement | Durable Thermoplastic Material |
| Size (mm) | 63.0 × 9.75 × 3.6 |
| Size (in) | 2.48 × 0.38 × 0.14 |
| Weight (g) | 2.1 |



Dimensions stated in mm

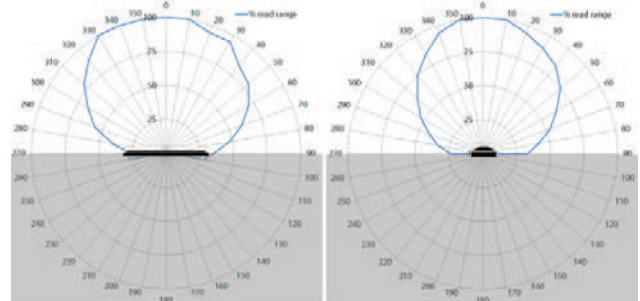
RF Specifications

| | |
|---|---|
| Protocol | EPC Class 1 Gen2 |
| Frequency Range (MHz) | 866–868 (EU) 902–928 (US) |
| Read Range (Fixed reader) ¹ | Up to 3m (9.8ft) |
| Read Range (Handheld reader) ¹ | Up to 1.8m (6ft) |
| Material Compatibility | Optimized for Metal substrates |
| IC Type (chip) | Alien H3 |
| Memory ² | EPC: 96bits User: 512bits TID: 64bits |

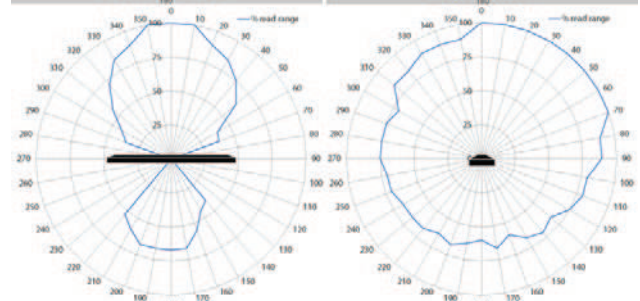
1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.
2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

Radiation Patterns

On Metal



On Plastic



Related Products and Services

- ▶ **Omni-ID Fit 210** — Low profile, on metal RFID tag optimized for application to small metal assets and for embedding.
- ▶ **Omni-ID Fit 200 and Fit 400** — Small footprint tags optimized for application to small metal assets and embedding.
- ▶ **Omni-ID Fit 400 P** — Small footprint tag optimized for attachment to small plastic assets and embedding.
- ▶ **Service Bureau** — Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



Environmental Specifications

Operating Temperature -40 to +85°C

Long term Max Temperature¹ exposure — (days, weeks, years) +105°C



Short term Max Temperature¹ exposure — (minutes, hours) +105°C

IP Rating IP68

Shock and Vibration MIL STD 810-F

Impact² 5kg from 1m

Attachment Industrial foam tape (std)

Certifications



 RoHS approved
 CE approved
 ATEX/IECEx certified (option)
 US&Canada (C1D1/D2) certified (option)

Warranty 1 year

1. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.
 2. Testing methodology available on request

Ordering Information

Order Numbers 057 — EU, US (Product reference)
 :304 (ATEX/IECEx certified)
 :307 (US&Canada (C1D1/D2) certified)
 :701 (Standard Service Bureau)
 :702 (Custom Service Bureau)

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