Omni-ID®

Identify with innovation

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.
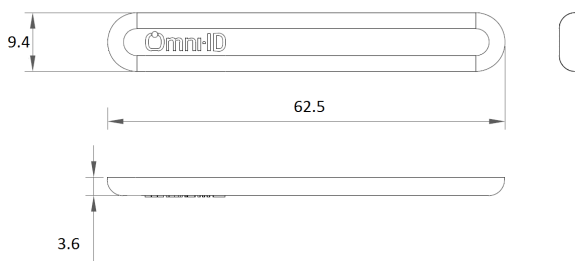
Applications

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.
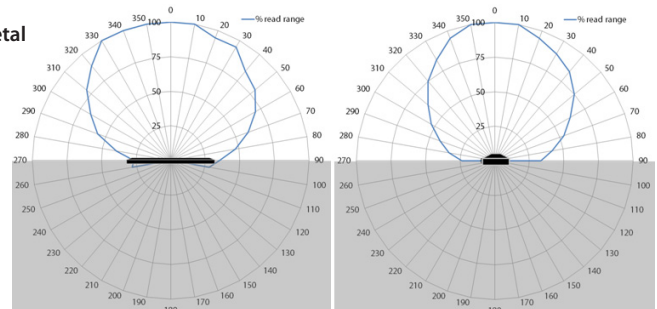
RF Specifications

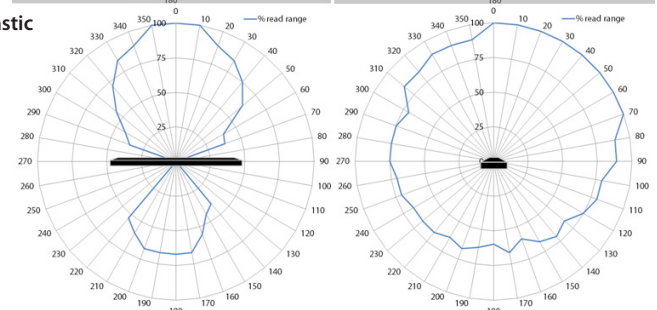|	
Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Read Range (Fixed reader)[1]	Up to 3m (9.8ft)
Read Range (Handheld reader)[1]	Up to 1.8m (6ft)
Material Compatibility	Optimized for Metal substrates
IC Type (chip)	Alien H3
Memory [2]	EPC - 96bits User - 512bits TID - 64bits

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

Physical Specifications

Encasement	Durable Thermoplastic Material
Size (mm)	62.5 x 9.4 x 3.6
Size (in)	2.46 x 0.37 x 0.14
Weight (g)	2.1

Dimensions stated in mm

Omni-ID®
Identify with innovation

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 application 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 Specification

Operating Temperature	-40 to +85°C
Long term Max Temperature [1] exposure - (days,weeks,years)	+105°C
Short term Max Temperature [1] exposure - (minutes,hours)	+105°C
IP Rating	IP68
Shock and Vibration	MIL STD 810-F
Impact	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.

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)

For more information, contact:

Omni-ID Corporate Headquarters:
1200 Ridgeway Ave
Rochester, NY 14615 USA

European Office:
The Enterprise Centre
Coxbridge Business Park
Alton Road, Farnham, Surrey
GU10 5EH, United Kingdom

Asia Office:
Process Export zone
East of Road No.4 and South of Road No.2
Chengyang District
Qingdao
266113, P.R. China

For product or technology inquiries:
Email customer.services@omni-id.com

032012