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Omni-ID® Exo 750

Omni-ID Exo 750 is a long range durable RFID tag optimized for attachment to metal assets. Designed with a broad read angle and with a global RF response, Exo 750 is compatible with handheld and portal use cases, anywhere on the globe. Featuring premium materials, Omni-ID Exo 750 offers market leading consistency and reliability in outdoor and industrial applications.

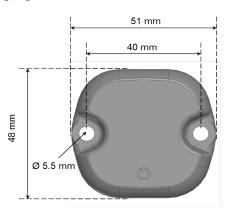
Applications

Based on a rugged construction, square footprint and moderate durability, the Exo 750 is ideally suited to RTI applications in:

- ▶ Automotive supply chain.
- ▶ Logistics and Postal.
- ▶ Manufacturing tote tracking.

Physical Specifications

Encasement	ABS
Size (mm) (tolerance)	51 x 48 x 12.6 (+/-1.0)
Size (in) (tolerance)	2.01 x 1.9 x 0.50 (+/-0.04)
Weight (g)	25.6





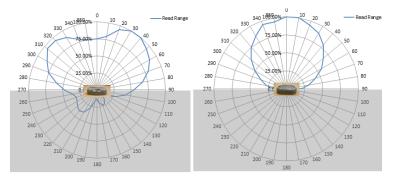
Dimensions stated in mm

Protocol	EPC Class 1 Gen2v2
Frequency Range (MHz)	860-930(GS)
Read Range (Fixed reader) ¹	Up to 7m (EU) Up to 11m (US)
Read Range (Handheld reader) ¹	Up to 3.5m (EU) Up to 5m (US)
Material Compatibility	Optimized for metal
IC Type (chip)	Impinj Monza 4QT
Memory ²	EPC - 128bits User - 512bits Unique TID - 48bits

^{1.} Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.

Radiation Patterns

On Metal



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^{2.} EPC and User memory are reprogrammable, UTID is locked at point of manufacture.



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Related Products and Services

- ▶ Omni-ID Exo 400 Small RFID tag with rugged encapsulation, capable of surviving temperatures to 235 °C.
- ▶ Omni-ID Exo 600 High performance, global RFID tag designed to meet the diverse needs of logistics industries.
- ▶ Omni-ID Exo 800 Long range passive UHF RFID tag capable of reading on, off, and near metal surfaces
- ▶ **Service Bureau** Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



Environmental Specifications

Storage Temperature	−40 to +85 °C
Operation Temperature 1	-40 to +85 °C
Survivability	-40 to +85 °C
IP Rating	IP68 Submersion proof to 3000m depth
Shock & Vibration ²	MIL STD 810-G
Attachment	Mechanical (std) Premium foam (option)
Certifications	RoHS approved CE approved ATEX/IECEx certified (option) US&Canada (C1D1/D2) certified (option)
Warranty	3 years

1. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

Ordering Information

Order Code 078 - GS

Order Options :303 (Customization)

:304 (ATEX/IECEx certified)

:307 (US&Canada (C1D1/D2) certified)

:508 (Premium foam)

:701 (Standard Service Bureau)







Omni-ID office locations: US | UK | China | India | Germany For product or technology inquiries email: sales@omni-id.com

^{2.} Testing methodology available on request