

Omni-ID® Exo 2000

Omni-ID Exo 2000 is the most durable tag offering long read ranges across all geographies. Designed with heavy industry in mind, the Omni-ID Exo 2000 features extreme impact resistance and high temperature ratings, enabling it to be deployed in outdoor heavy industry environments anywhere in the world.

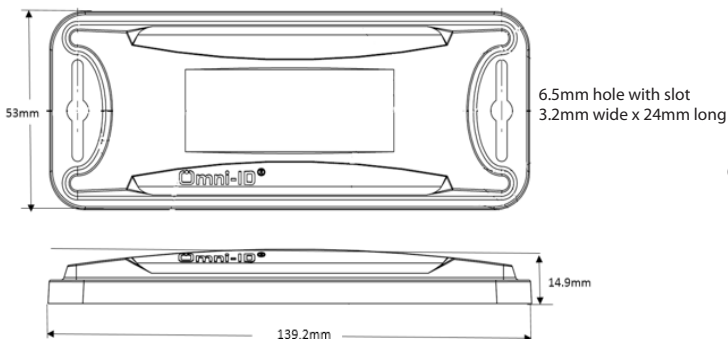
Applications

With an excellent read range across all geographic regions and a durable, high heat resistant encasement, the Exo 2000 is best suited to outdoor applications, including:

- ▶ Container tracking for yard management
- ▶ Cargo tracking
- ▶ Defense asset management

Physical Specifications

| | |
|--------------------------|---------------------------------|
| Encasement | PC ABS blend |
| Size (mm) (tolerance) | 139.2 x 53 x 14.9 (+/-1.0) |
| Size (in) (tolerance) | 5.36 x 2.09 x 0.59 (+/-0.04) |
| Weight (g) | 52.0 |



Dimensions stated in mm

RF Specifications

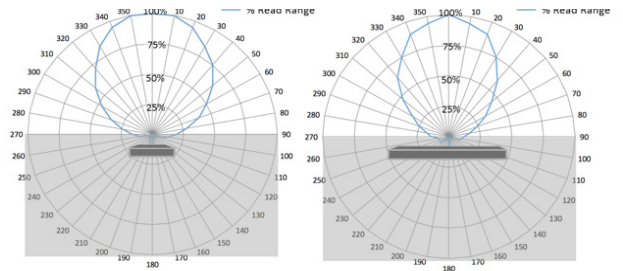
| | |
|---|--|
| Protocol | EPC Class 1 Gen2V2 |
| Frequency Range (MHz) | 860–960 (global) |
| Read Range (Fixed reader) ¹ | Up to 20m on metal |
| Read Range (Handheld reader) ¹ | Up to 9m on metal |
| Material Compatibility | Optimized for metal |
| IC Type (chip) | Monza 4QT |
| Memory ² | EPC - 128bits User - 512bits Unique TID - 48bits |

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

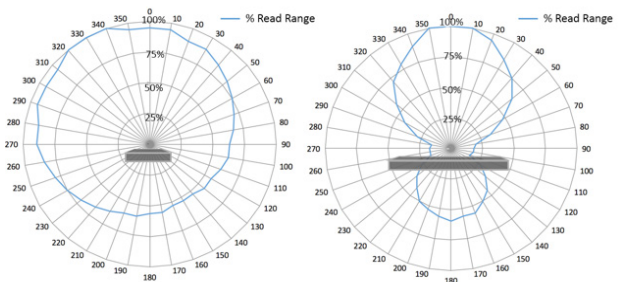
2. EPC and User memory are reprogrammable, UTID is locked at point of manufacture.

Radiation Patterns

On Metal



Off Metal



Related Products and Services

- ▶ **Omni-ID Dura 600** - Highly durable RFID tag ideal for industrial curved assets due to its durable case.
- ▶ **Omni-ID Exo 750**- Extreme durability, long range and global operability in a small, square footprint, on metal RFID tag.
- ▶ **Omni-ID Exo 3000**- Globally compliant, UHF tag with extreme read ranges up to 35m on, off or near metals and liquids.
- ▶ **Service Bureau** - Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



Environmental Specifications

Operating Temperature¹ -40 to +85 °C

Max Temperature Exposure¹ -40 to +100 °C

IP Rating IP68

Shock and Vibration MIL STD 810-G

Impact² >25kg from 1m

Attachment Mechanical (standard)
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.

² Post 25kg impact the product is still functional, to guarantee IP68 integrity maximum impact should be limited to 15kg from 1m. Testing methodology available on request.

Ordering Information

Order code 152 - Global

Order options :303 (Customization)
:304 (ATEX/IECEx certified)
:307 (US&Canada (C1D1/D2) certified)
:508 (premium foam)
:701 (Standard Service Bureau)

RFID4u
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