

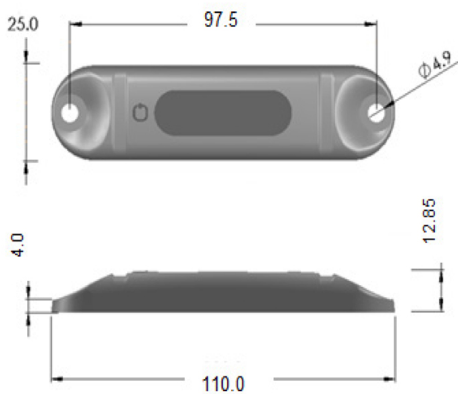
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Physical Specifications

| | |
|-------------------|--|
| Material | Grey ABS rigid plastic |
| Size | 110 x 25 x 12.85 mm 4.33 x 0.98 x 0.51 in |
| Weight (g) | 26 |
| Attachment | Mechanical (std), cable tie, premium foam (option) |

Dimensions



Measurements shown in mm

Exo 800

Omni-ID Exo 800 is long range passive UHF RFID tag capable of reading on, off, and near metal surfaces. Designed in a surprisingly small form factor, the Omni-ID Exo 800 features a rugged design for long term use in outdoor and industrial environments. New to the Exo 800 is a customization option for a transparent tag that provides full protection for printing within the tag case.

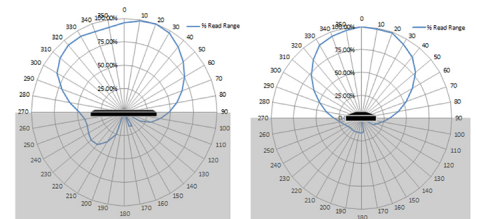
RF Specification

| | |
|-------------------------------------|---|
| Radio Protocol | EPC Class 1 Gen2v2 |
| Frequency Range | 860 - 930 (GS) |
| Read Range - Fixed Reader | Up to 8m (on metal), Up to 6m (off metal) |
| Read Range - Handheld Reader | Up to 4m (on metal), Up to 3m (off metal) |
| On Metal or Balanced | Optimized for metal |
| IC Type (Chip) | Impinj Monza 4QT |
| Memory | EPC - 128 bits User - 512 bits Unique TID - 48 bits |

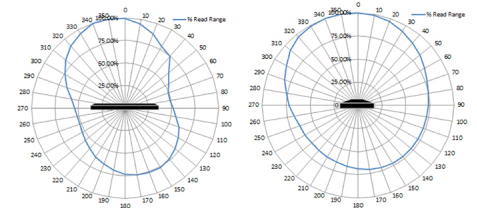
EPC and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

Radiation Patterns

On Metal



On Plastic



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With a long read range and high durability, the Omni-ID Exo 800 is ideally suited to:

- Manufacturing tote tracking
- Logistics and Postal
- Retail supply chain

Environmental Specifications

| | |
|--|----------------|
| Operating Temperature | -40°C to +65°C |
| Survivability | -40°C to +65°C |
| Max Temperature Exposure | -40°C to +65°C |
| IP Rating | IP68 |
| Shock & Vibration Tolerance | MIL-STD-810 G |
| Impact | 10KG from 1m |

Ordering Information

| | |
|--|--------------------------------------|
| Product Options | :303 (Customization) |
| | :304 (ATEX/IECEX certified) |
| | :307 (US&Canada (C1D1/D2) certified) |
| | :332 (Transparent case) |
| | :508 (Premium foam) |
| | :701 (Standard Service Bureau) |
| Part Number / Order Codes / Order Numbers | 077- GS |

Certifications

CE, RoHS, Ex, ATEX/IECEX certified (option), US&Canada (C1D1/D2) certified (option)



For product or technology inquiries email: sales@omni-id.com.

Visit omni-id.com to learn more about the complete line of **Omni-ID RFID** products