

## Omni-ID® IQ 150

The IQ 150 Ultrathin labels are designed for on metal tag functionality, within a small, low profile, easy to deploy label. Optimized for thermal barcode printers, the Omni-ID IQ 150 enables low cost and hassle-free RFID deployment. The Ultrathin labels redefine the standard for repeatability for on and off metal tagging applications demanding a very small low profile tag.

## Applications

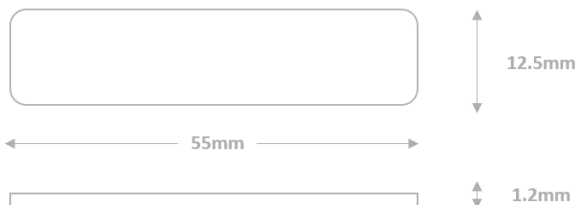
With innovative construction and excellent thermal barcode printer compatibility, the Omni-ID IQ 150 label is ideal for hassle free deployment of indoor asset management applications such as:

- ▶ IT, office, hospital and laboratory asset tracking
- ▶ Weapons, pipes, and road signs
- ▶ Warehouse management

## Physical Specifications

|                        |                       |
|------------------------|-----------------------|
| Material               | White synthetic label |
| Size (mm) <sup>1</sup> | 55.0 x 12.5 x 1.2     |
| Size (in) <sup>1</sup> | 2.17 x 0.49 x 0.05    |
| Weight (g)             | 0.25                  |

<sup>1</sup>Product dimensions shown above are the maximum. Batch to batch variation could be within 5%. Unspliced sections will be within 0.2mm tolerance.



Dimensions stated in mm  
Supply format = 1000 labels per roll

## RF Specifications

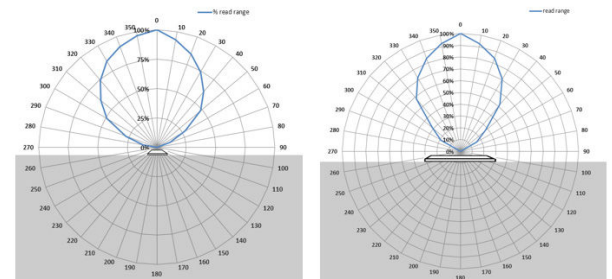
|                              |  |
|------------------------------|--|
| Protocol                     | EPC Class 1 Gen2v2   |
| Frequency Range (MHz)        | 866-868 (EU)<br>902-928 (US)                                     |
| Fixed Reader <sup>1</sup>    | Up to 1.6  |
| Handheld Reader <sup>1</sup> | Up to 1.0  |
| Material Compatibility       | Optimized for all materials                                      |
| IC Type                      | Monza R6-P   |
| Memory <sup>2,3</sup>        | EPC - 128(96) bits<br>User - 32(64) bits<br>Unique TID - 48 bits |

<sup>1</sup>Quoted performance achieved using standard testing methodology on Aluminium test plates. Read range is dependent on multiple factors such as; RFID reader transmit power and receiver sensitivity, asset material and environment. Please see the Omni-ID On Metal Labels User Guide for detail.

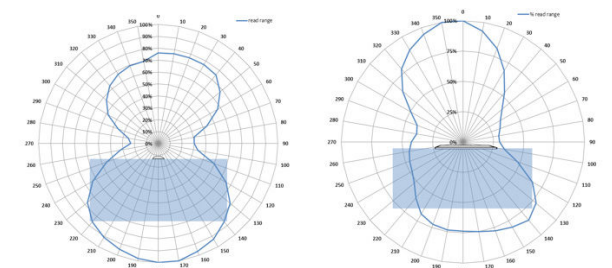
<sup>2</sup>EPC and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

## Radiation Patterns

### On Metal



### Off Metal




## Related Products and Services

- ▶ **Omni-ID IQ 350** – Smallest size to performance RFID label in the market, optimized for thermal barcode printers.
- ▶ **Omni-ID IQ 600** – Ultrathin label providing on metal tag functionality, low cost and hassle free deployment.
- ▶ **Omni-ID IQ 800P** - Large premium label for plastic assets
- ▶ **Service Bureau** – Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



## Environmental Specifications

|  |  |
|--|--|
| Operation Temperature <sup>1</sup>   | -40 to +85°C   |
| Max Temperature Exposure <sup>1</sup>  | -40 to +85°C   |
| Application Temperature <sup>1</sup>   | +18 to +35°C   |
| IP Rating  | IP68   |
| Attachment   | Self-adhesive suitable for curved surfaces to a minimum radius of 58mm |
| Certifications<br> RoHS approved<br>CE approved |  |
| Printer compatibility <sup>2,3</sup>   | SATO, Zebra  |
| Warranty   | 1 year   |

<sup>1</sup> Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

<sup>2</sup> Omni-ID labels are compatible with many leading printers. Contact us for more detail.

<sup>3</sup> See Omni-ID printer guides for details on calibrating and operation.

## Ordering Information

|                        |  |
|------------------------|--|
| Order Numbers          | 125 – EU, US   |
| Order Options:         | :303 Customization - 4 color static print<br>:315 Overlamination<br>:536 Textured surface adhesive<br>:701 (Standard Service Bureau) |
| Supply Format          | 1000 labels per roll   |
| Minimum Order Quantity |  |
| Standard label         | 1,000 labels   |
| Service bureau         | 1,000 labels   |
| Customization          | 10,000 labels  |
| Overlamination         | 10,000 labels  |



Omni-ID office locations: US | UK | China | India | Germany  
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