

## 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

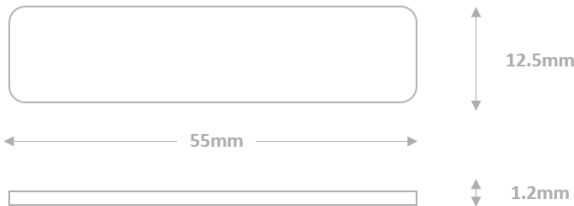
With innovative construction and excellent thermal barcode printer compatibility, the Omni-ID IQ 150 label is ideal for hassle free deployment of indoor asset management applications such as:

- ▶ 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

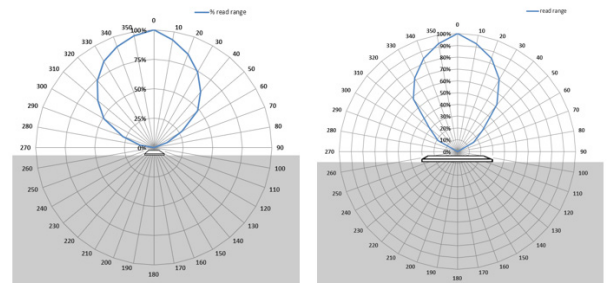
Protocol	EPC Class 1 Gen2v2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Fixed Reader <sup>1</sup>	Up to 1.6
Handheld Reader <sup>1</sup>	Up to 1.0
Material Compatibility	Optimized for all materials
IC Type	Monza R6-P
Memory <sup>2,3</sup>	EPC - 128(96) bits User - 32(64) bits Unique TID - 48 bits

<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.

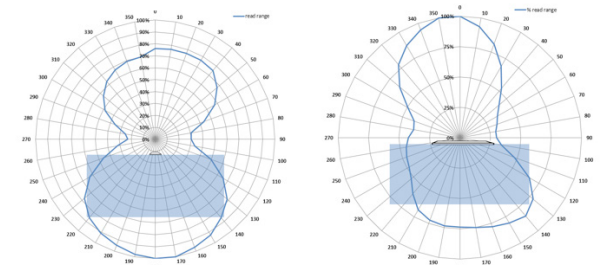
<sup>2</sup>EPC and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

### 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	RoHS approved 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 :315 Overlamination :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  
For product or technology inquiries email: [sales@omni-id.com](mailto:sales@omni-id.com)