

Omni-ID® IQ 350

Omni-ID's IQ 350 labels provide on metal tag functionality, within a small, low profile, easy to deploy label. With the smallest size to performance ratio in the market, the IQ 350 also boasts a wide read performance making this an ideal choice for portal applications. Optimized for thermal barcode printers, the IQ 350 enables low cost, hassle-free RFID deployment.

Applications

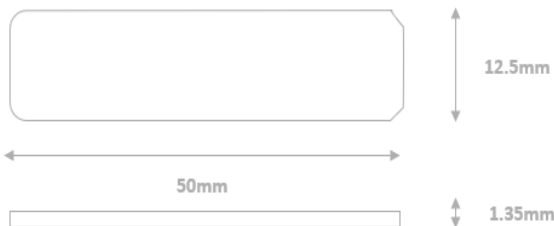
With a thin profile and label presentation, Omni-ID's IQ 350 labels are ideal for on-metal applications such as:

- ▶ IT, office, hospital and laboratory asset tracking
- ▶ Logistics involving metallic packaging
- ▶ Intermodal logistics

Physical Specifications

Material	Synthetic label
Size (mm) ¹	50.0 x 12.5 x 1.35
Size (in) ¹	1.97 x 0.49 x 0.05
Weight (g)	0.50

¹Product 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 = 900 labels per roll

RF Specifications

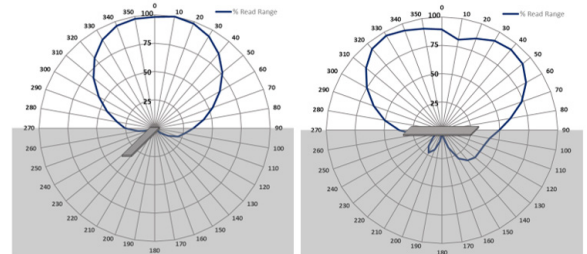
Protocol	EPC Class 1 Gen2v2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Read Range (m) (Fixed reader) ¹	Up to 3.5
Read Range (m) (Handheld reader) ¹	Up to 2.0
Material Compatibility	Optimized for metal
IC Type	Monza R6-P
Memory ²	EPC: 128(96)bits User: 32(64)bits UTID: 48bits

¹Quoted 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 more detail.

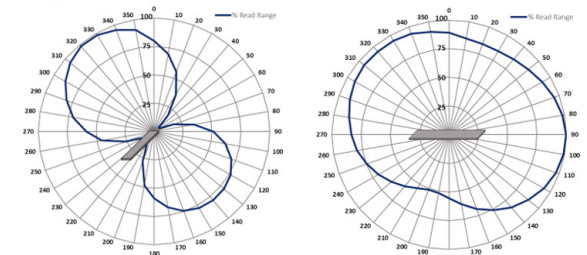
² EPC and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

Radiation Patterns

On Metal



Off Metal



Related Products and Services

- ▶ **Omni-ID IQ 150** – A very small ultrathin label, easy to deploy and optimized for thermal barcode printers.
- ▶ **Omni-ID IQ 600** – Ultrathin balanced 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 ¹ -40 to +85°C

Max Temperature Exposure ¹ -40 to +85°C

Application Temperature¹ +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^{2,3} SATO, Zebra

Warranty 1 year

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

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

³ See Omni-ID printer guides for details on calibrating and operation.

Ordering Information

Order Numbers 158 – US, EU

Order Options:
:303 Customization - 4 color static print
:315 Overlamination
:536 Textured surface adhesive
:701 (Standard Service Bureau)

Supply Format 900 labels per roll

Minimum Order Quantity

Standard label	900 labels (1 roll)
Service bureau	900 labels (1 roll)
Customization	10,800 labels (12 rolls)
Overlamination	10,800 labels (12 rolls)



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