

Omni-ID® IQ100

The IQ 100 label is our first to market Global, small form factor, on metal label. Optimized for thermal barcode printers, the IQ 100 enables low cost and hassle-free RFID deployment. The IQ 100 redefines the standard for consistency and reliability for tagging applications demanding a very small tag with Global capabilities.

Building Intelligent Supply Chains

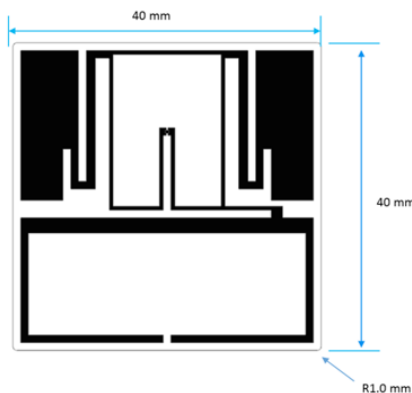
With innovative construction and excellent thermal barcode printer compatibility, the Omni-ID IQ 100 label is ideal for hassle free deployment of RFID applications such as:

- IT and office assets
- Hospital tracking applications
- Tools and kitchen assets
- Weapons, pipes, road signs

Physical Specifications

Material	White synthetic label
Size (mm) ¹	40.0 x 40.0 x 1.1
Size (in) ¹	1.57 x 1.57 x 0.04
Weight (g)	.35

¹Product dimensions shown above are the maximum. Batch to batch variation could be within 5%. Unspliced sections will be within 0.2mm tolerance. Please see the [IQ On Metal Labels User Guide](#) for further details.



Dimensions stated in mm
Supply format = 500 labels per roll

RF Specifications

Protocol	EPC Class 1 Gen2v2
Frequency Range (MHz)	860 - 930 (GS)
Read Range (Fixed Reader)	Up to 1.1
Read Range (Handheld Reader)	Up to 0.5
Material Compatibility	Optimized for all materials
IC Type (chip)	Monza R6
Memory ^{2,3}	EPC - 96 bits User - 0 bits Unique TID - 48 bits

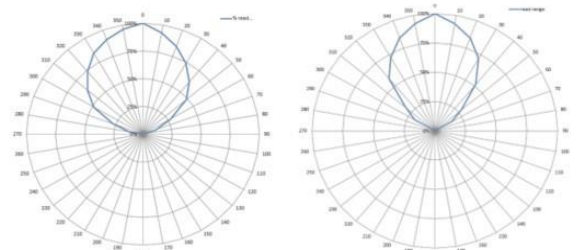
¹Quoted performance achieved using standard testing methodology on Aluminium test plates. Read range is dependent on multiple factors such as RFID reader transmit power and receiver sensitivity, asset material and environment. Please see the [Omni-ID On Metal User Guide](#) for more detail.

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

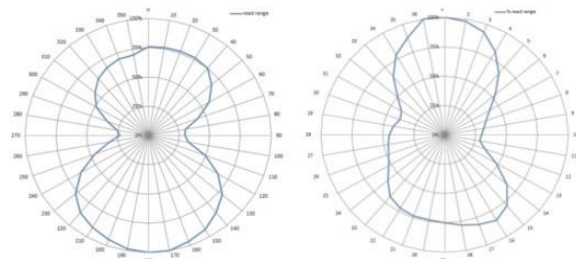
³Monza R6 cannot be permalocked using current commercially available hardware & software.

Radiation Patterns

On Metal



On Liquid



Related Products and Services

- **Omni-ID Prox NG** – Market leading, small form factor tag for mixed plastic and metal IT asset environments in global enterprises.
- **Omni-ID IQ 150** – Ultrathin small form factor label providing on metal tag functionality supplied as a roll with hassle free printing.
- **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	-20 to +85°C
Max Temperature Exposure ¹	-20 to +85°C
Application Temperature ¹	+18°C 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 Validation ^{2,3}	Sato

1. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.
2. Printer validation for Standard Version - Sato CL4NX.
3. See Omni-ID Sato NXSeries Printer Guide for details on calibrating and operation.

See the **IQ On Metal Labels User Guide** for details on available IC & Ground Plane product options.

Ordering Information

Order Numbers	139 – GS
Options:	:303 Customization - 4 color static print :315 Overlamination :701 (Standard Service Bureau)
Supply Format	500 labels per roll
Minimum Order Quantity	
Standard label	1000 labels (2 rolls)
Service bureau	1000 labels (2 rolls)
Customization	10,000 labels
Overlamination	10,000 labels



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