

[Products] you can identify with

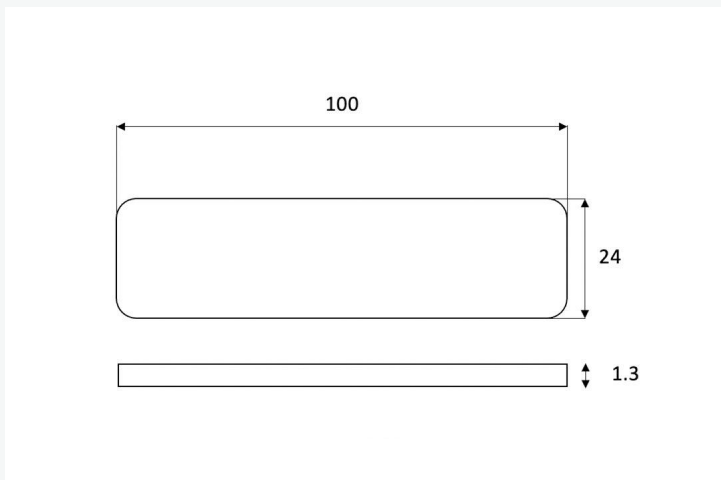


Physical Specifications

Material	White synthetic label
Size	100 x 24 x 1.3 with ground plane (+/- 2) mm 3.78 x 0.94 x 0.05 with ground plane (+/-0.07) in
Weight (g)	2.0
Attachment	Self-adhesive and suitable for curved surfaces to a minimum radius of 58mm

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

Dimensions



Measurements shown in mm

IQ 600

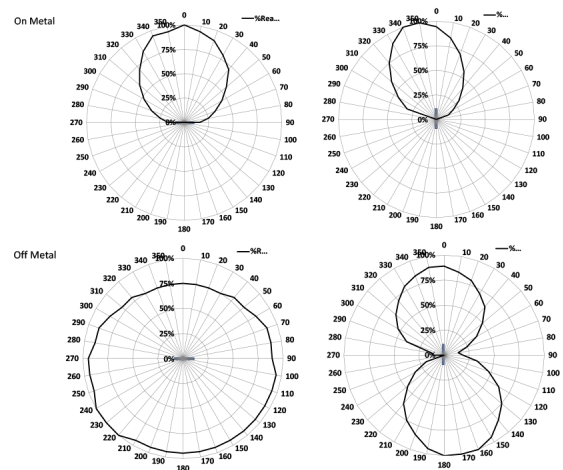
Omni-ID IQ 600 ultrathin labels provide on metal tag functionality, within a low profile label. Supplied in roll form, the tag has been optimized for thermal barcode printers, enabling low cost and hassle-free RFID deployment. The consistency and reliability of the tag redefines the standard for on and off metal RFID tagging, enabling new applications and revolutionizing integration into manufacturing and supply chain processes.

RF Specification

Radio Protocol	EPC Class 1 Gen2v2
Frequency Range	866 – 868 MHz (EU) 902 – 928 MHz (US)
Read Range – Fixed Reader	Up to 6.6m (11.8 feet)
Read Range – Handheld Reader	Up to 3.6m (11.8 feet)
On Metal or Balanced	Optimized for metal
Material Compatibility	Metal, Plastic, Ceramic
IC Type (Chip)	Impinj-M730
Memory	EPC - 128 bits User - 0 bits Unique TID - 48 bits

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

Radiation Patterns



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With innovative construction and thermal barcode printer compatibility, the Omni-ID IQ 600 label is ideal for applications such as:

- Logistics involving metal produce or packaging
- Pipe manufacturing and re-certification
- IT, office & hospital assets tracking applications

Environmental Specifications

Operating Temperature	-40°C to +85°C
Max Temperature Exposure	-40°C to +85°C
Application Temperature	+18°C to +35°C
IP Rating	IP68
Shock & Vibration Tolerance	MIL-STD-810 G
Printer Compatibility	SATO

Certifications

CE, RoHS



Ordering Information

Warranty	1 year	
Part Number / Order Codes / Order Numbers	CP16069-EU-No Ground Plane	
	CP16070-EU- with Ground Plane	
	CP16071-US-No Ground Plane	
	CP16072-US- with Ground Plane	
Supply Format	500 labels per roll	
Minimum Order Quantity	Standard Label	500 labels (1 roll)
	Service Bureau	500 labels (1 roll)
	Customization	10,000 labels
	Overlamination	10,000 labels

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