Omni-ID® IQ 400

Omni-ID IQ 400 Ultrathin labels provide on metal tag functionality, within a low profile, easy to deploy label. Supplied in roll form as either finished labels or as an inlay for conversion, the Omni-ID IQ 400 has been optimized for thermal barcode printers, enabling low cost and hassle-free RFID deployment. IQ 400 has redefined the standard for both consistency and reliability for metal and liquid RFID tagging, enabling new applications and revolutionizing integration into manufacturing and supply chain processes.

Building Intelligent Supply Chains

With innovative construction and thermal barcode printer compatibility, the Omni-ID IQ 400 label is ideal for hassle free deployment of RFID applications involving metals and liquids such as:

▸ IT, Office and Hospital asset tracking.

▸ Logistics involving metal produce or packaging.

▸ Pipe manufacturing and re-certification.

RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Read Range (Fixed reader)[1]	Up to 4.0m (13.1ft)
Read Range (Handheld reader)[1]	Up to 2.0m (6.5 ft)
Material Compatibility	Optimized for metal and liquid
IC Type (chip)	Impinj Monza 4QT
Memory [2]	User - 512bits

1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.
2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

Physical Specifications

Encasement	Synthetic Label
Size (mm) (tolerance)	103.0 x 28.0 x 0.8 (+/- 0.5)
Size (in) (tolerance)	4.1 x 1.1 x 0.03 (+/-0.02)
Weight (g)	2.8 (US)

Radiation Patterns

On Liquid

Large Metal Sheet
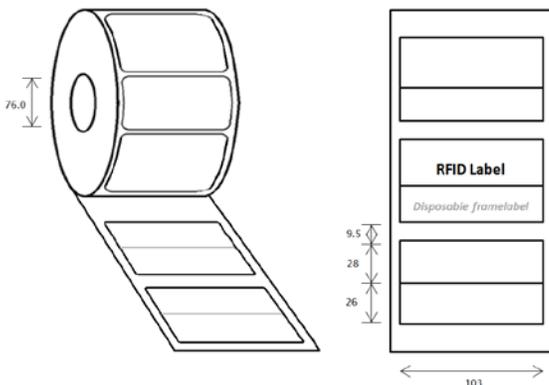
Dimensions stated in mm
Supply format = 200 labels per roll

Omni-ID®

Building Intelligent Supply Chains

Visit **www.omni-id.com** to learn more about
the complete line of Omni-ID RFID products.
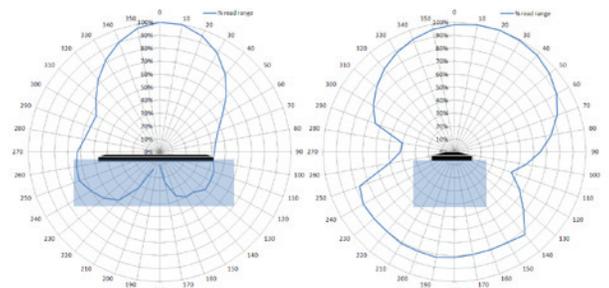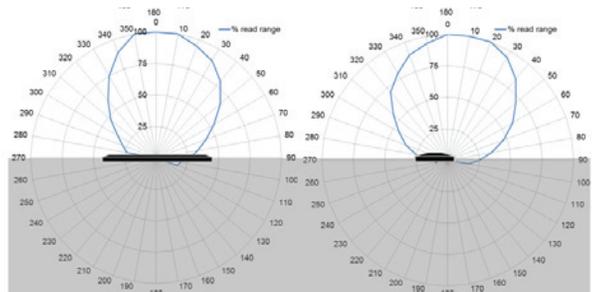
Related Products and Services

▶ **Omni-ID Prox NG –** Market leading, small form factor tag for mixed plastic and metal IT asset environments in global enterprises.

▶ **Omni-ID IQ 600 –** Ultrathin label providing on metal tag functionality supplied as a roll with hassle free printing.

▶ **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

Operating Temperature	-20 to +65°C
Long term Max Temperature [1] exposure - (days,weeks,years)	+65°C
Short term Max Temperature [1] exposure - (minutes,hours)	+85°C
IP Rating	IP68
Attachment	Self-adhesive (standard)
Certifications	RoHS approved CE approved ATEX/IECEx certified (option) US & Canada (C1D1/D2) certified (option)
Printer Certifications	Toshiba and Zebra
Warranty	1 year

Ordering Information

Order Numbers	063 – EU, US
	:304 (ATEX/IECEx certified) :307 (US & Canada (C1D1/D2) certified) :701 (Standard Service Bureau) :702 (Custom Service Bureau)
	068 - EU, US (Dry inlay for conversion)
	089 - Omni-ID Dummy IQ 400 (Blank IQ 400 for Printer Calibration)
Supply Format	200 labels per roll

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

TOSHIBA

ZEBRA TECHNOLOGIES

CE   RoHS   Ex

Omni-ID office locations: US | UK | China | India | Southeast Asia

For product or technology inquiries email: sales@omni-id.com

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