Omni-ID® IQ 800P

Omni-ID IQ 800P is a high performance, premium synthetic RFID label product. Designed with an ultra high performance dipole antenna, the IQ 800P provides market leading performance on plastic and none metallic assets. High specification polymer and adhesive materials ensure the product is durable for extended outdoor use including standard industrial wet cleaning processes.
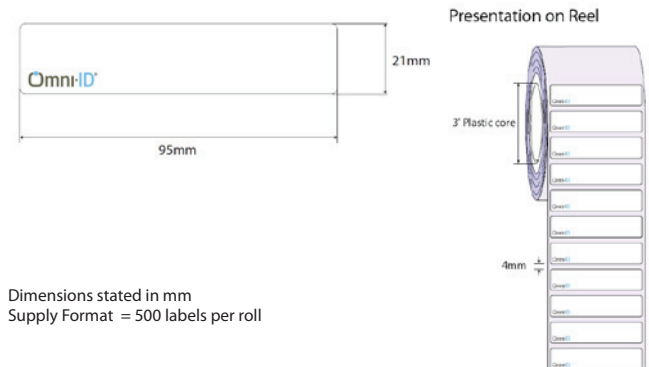
Building Intelligent Supply Chains

With its high performance dipole antenna, premium materials, and thermal barcode compatibility, Omni-ID IQ 800P labels are ideally suited to manufacturing and logistics applications including attachment to:

▶ Plastic RTI's and containers.

▶ Plastic Pallets.

▶ None metallic industrial assets.

RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	860-960MHz (global)
Read Range (Fixed reader)[1]	Up to 10.0 m (32.8ft)
Read Range (Handheld reader)[1]	Up to 5.0 m (16.5ft)
Material Compatibility	Plastic and non metallic substrates.
IC Type (chip)	Alien Higgs 3
Memory [2]	EPC - 96bits User - 512bits TID - 64bits

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

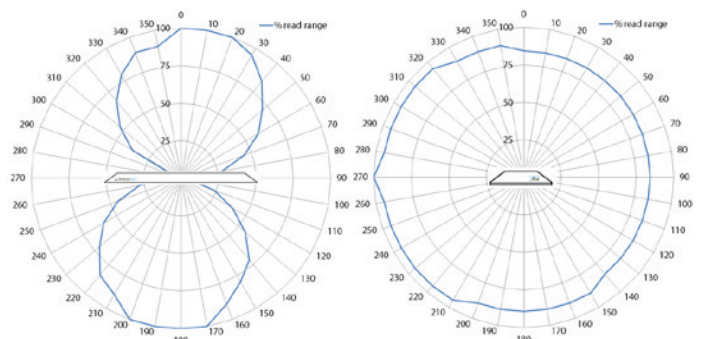|	
Encasement	Premium Synthetic label on transparent PET liner
Size (mm) (tolerance)	95 x 21 x 0.025 +/-0.5
Size (in) (tolerance)	3.74 x 0.83 x 0.001 +/-0.02
Weight (g)	0.5

Radiation Patterns

On Plastic

Dimensions stated in mm
Supply Format = 500 labels per roll

![Omni-ID - Building Intelligent Supply Chains]

Related Products and Services

▸ **Omni-ID Exo 600 -** High performance, global RFID tag designed to meet the diverse eeds of logistics industries.

▸ **Omni-ID Exo 750-** Extreme durability, long range and global operability in a small, on metal RFID tag.

▸ **Omni-ID IQ 400-** Small Ultrathin premium label for on metal functionality, supplied in roll form.

▸ **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	-40 to +85°C
Long term Max Temperature [1] exposure - (days,weeks,years)	+85°C
Short term Max Temperature [1] exposure - (minutes,hours)	+105°C
IP Rating	IP68
Shock and Vibration	MIL STD 810-F
Attachment	Premium film adhesive (standard)
Certifications	RoHS approved CE approved
Warranty	1 year

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

Ordering Information

Order Numbers	056 – GS (Product reference) :701 (Standard Service Bureau) :702 (Custom Service Bureau)
Supply Format	500 labels per roll

![CE] ![RoHS]

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

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

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