



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.

Applications

With its high performance dipole antenna and premium materials, 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.

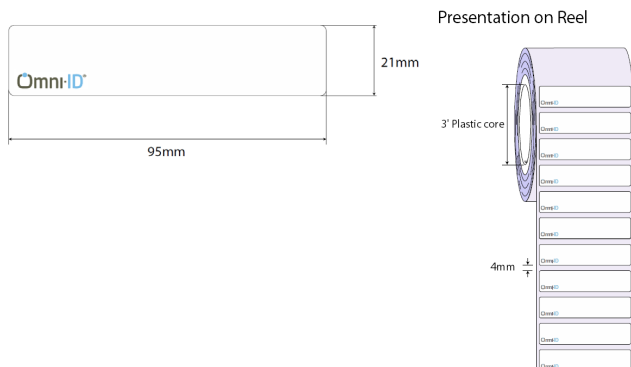
Physical Specifications

Encasement Premium Synthetic label on transparent PET liner

Size (mm) 95 x 21 x 0.3
(tolerance) +/-0.5

Size (in) 3.74 x 0.83 x 0.01
(tolerance) +/-0.02

Weight (g) 0.5



RF Specifications

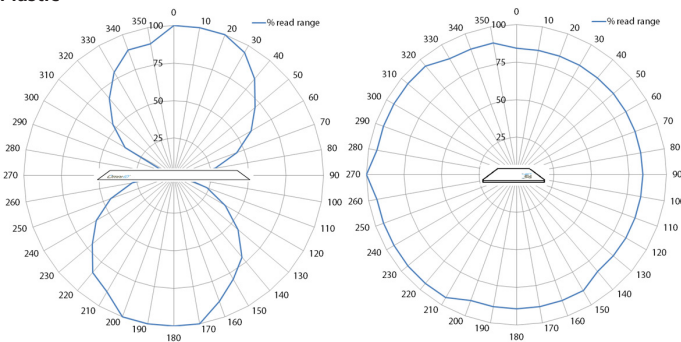
Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	860-960MHz (global)
Read Range (Fixed reader) ¹	Up to 10.0 m (32.8ft)
Read Range (Handheld reader) ¹	Up to 5.0 m (16.5ft)
Material Compatibility	Plastic and non metallic substrates.
IC Type (chip)	Alien H3
Antenna specification	ALN-9654 'G'
Memory ²	EPC - 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 re programmable, TID is locked at point of manufacture.

Radiation Patterns

On Plastic



Related Products and Services

- ▶ **Omni-ID Max rigid** - High performance, long range RFID tag product for industrial applications involving both metal and plastic assets.
- ▶ **Omni-ID Max SQ-D**- Extreme durability, long range and global operability in a small, square footprint, on metal RFID tag.
- ▶ **Omni-ID IQ 400P**- Small 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 Specification

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 ATEX/IECEX certified (option) US&Canada (C1D1/D2) certified (option)
Warranty	1 year

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

Ordering Information

Order Numbers	056 – GS (Product reference) :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau) :702 (Custom Service Bureau)
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