Omni-ID®
part of HID

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IQ 800P

The version of this product has now been achieved for a newer version. For more information please contact sales@omni-id.com

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 non metallic assets. High specification polymer and adhesive materials ensure the product is durable for extended outdoor use including standard industrial wet cleaning processes.

Physical Specifications

Material	Premium Synthetic Label
Size	95 x 21 x 0.24 +/- 0.5 mm 3.74 x 0.83 x 0.0095 +/- 0.02 in
Weight (g)	0.50
Attachment	Self-adhesive (standard)

Dimensions

21mm

95mm
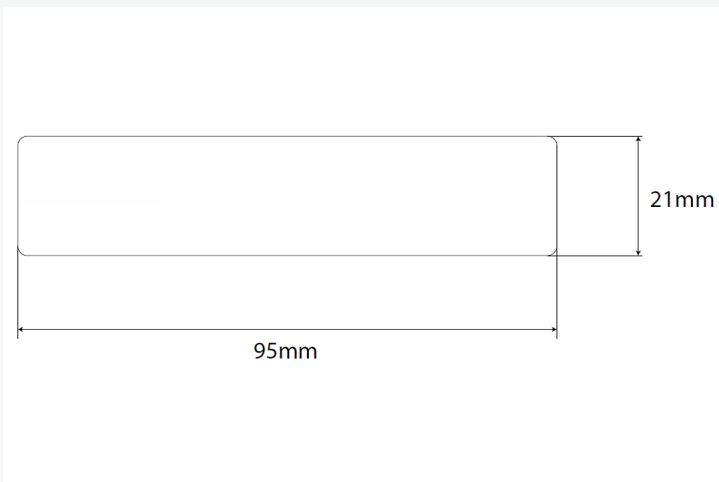
Measurements shown in mm

RF Specification

Frequency Range	860 – 960 MHz (Global)
Read Range – Fixed Reader	Up to 10m (32.8 feet)
Read Range – Handheld Reader	Up to 5m (16.5 feet)
On Metal or Balanced	Plastic and non-metallic substrates
Material Compatibility	Plastic
IC Type (Chip)	Alien Higgs 3
Memory	EPC - 96 bits User - 512 bits Unique TID - 64 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

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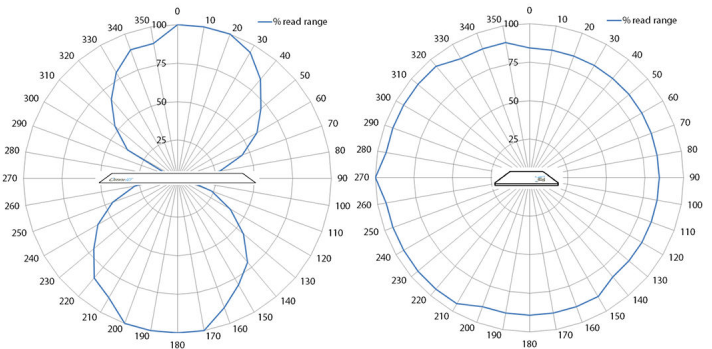
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With its high performance dipole antenna, premium materials, and thermal barcode compatibility, Omni-ID IQ 800P labels are ideally suited to manufacturing and logistics applications including attachment to:

- Plastic RTI's and containers
- Non-metallic industrial assets
- Plastic Pallets

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

Certifications

CE, RoHS, Ex

Ordering Information

Warranty	1 year	
Product Options	:303 (Customization)1 :304 (ATEX/IECEx certified) :307 (US & Canada [C1D1/D2 certified]) :313 (TAA Compliant) :701 (Standard Service Bureau) (Printing over the IC area is not recommended)	
Part Number / Order Codes / Order Numbers	056 - GS	
Minimum Order Quantity	Standard Label	1000 labels / 1 roll