



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

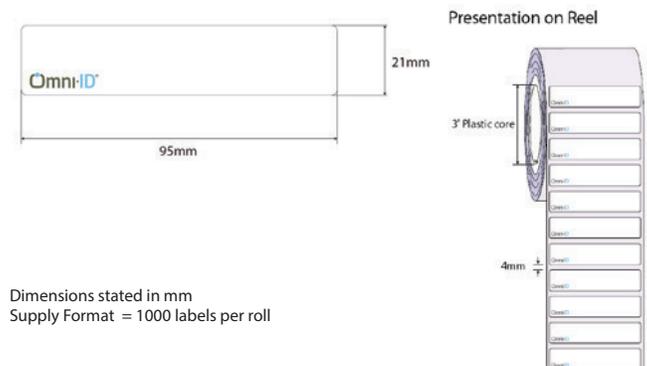
### Applications

With its high performance dipole antenna, 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
- ▶ Non-metallic industrial assets

### Physical Specifications

Encasement	Premium Synthetic label on transparent PET liner
Size (mm) (tolerance)	95 x 21 x 0.24 +/-0.5
Size (in) (tolerance)	3.74 x 0.83 x 0.0095 +/-0.02
Weight (g)	0.5



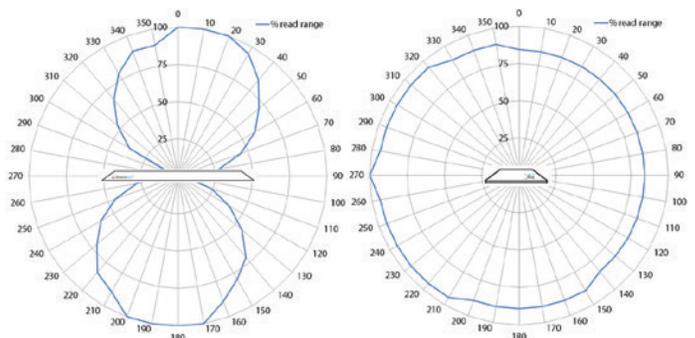
### RF Specifications

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

### Radiation Patterns

#### On Plastic



## Related Products and Services

- ▶ **Omni-ID Exo 600** - High performance, global RFID tag designed to meet the diverse needs of logistics industries.
- ▶ **Omni-ID Exo 750**- Extreme durability, long range and global operability in a small, on metal RFID tag.
- ▶ **Omni-ID IQ 150**- Smallest Ultrathin premium label for on metal functionality, optimized for thermal printers.
- ▶ **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
Max Temperature Exposure <sup>1</sup>	-40 to +85°C
Application Temperature <sup>1</sup>	+18 to +35°C
IP Rating	IP68
Shock and Vibration	MIL STD 810-G
Attachment	Self adhesive (standard)
Certifications	RoHS approved CE approved ATEX/IECEX certified (option) US & Canada [C1D1/D2] certified (option)
Warranty	1 year

<sup>1</sup>. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

### Ordering Information

Order code	056 – GS
Order Options	:303 (Customization) <sup>1</sup> :304 (ATEX/IECEX certified) :307 (US & Canada [C1D1/D2 certified]) :313 (TAA Compliant) :701 (Standard Service Bureau) <sup>1</sup>
Minimum Order Quantity	1000 labels / 1 roll

<sup>1</sup> Printing over the IC area is not recommended.

