Omni-ID®

Omni-ID® Flex 800

Omni-ID Flex 800 is a long read range, global frequency, RFID tag designed with exceptional performance. The Flex 800 tag is well suited to indoor applications where a low cost option is needed anywhere around the world.

Applications

With its longer read range and consistent Global RF performance, the Flex 800 is ideally suited to applications such as:

▸ Manufacturing tote tracking

▸ Light outdoor use & RTI

▸ Returnable transit items and portal setups

▸ Retail supply chain

Physical Specifications

Material	ABS with white synthetic label
Size (mm)	95 x 23 x 8.0
Size (in)	3.74 x .91 x .31
Weight (g)	13

95mm

23mm

8mm

Dimensions stated in mm

RF Specifications

Protocol	EPC Class 1 Gen2V2
Frequency Range (MHz)	860 - 940 (GS)
Read Range (Fixed reader)[1] On metal Off metal	 Up to 8.0m Up to 6.0m
Read Range (Handheld reader)[1] On metal Off metal	 Up to 4.0m Up to 3.0m
Material Compatibility	Optimized for Metal
IC Type (chip)	Impinj Monza 4QT
Memory [2]	EPC - 128bits User - 512bits UTID - 48bits

[1]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.

[2] EPC and User memory are reprogrammable, UTID is locked at point of manufacture by IC manufacturer

Radiation Patterns

On Metal

Off Metal

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Related Products and Services

▶ **Omni-ID Exo 800 -** Extremely durable hard case tag for outdoor and industrial environments

▶ **Omni-ID Flex 600-** Low profile, cost effective tag, ideal for office equipment and portal setups.

▶ **Omni-ID Flex 1200 -** Low cost alternative to hard tags for applications requiring read ranges of up to 12 meters.

▶ **Service Bureau** - Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.

Environmental Specifications

Storage Temperature	−40 ° to +85 °C
Operation Temperature	−40 ° to +85 °C
Survivability	−40 ° to +85 °C
IP Rating	IP65
Shock and Vibration	MIL STD 810-G
Attachment	Mechanical (standard) Premium foam (option)
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 code	150 - GS
Order options	:303 (Customization) :304 (ATEX/IECEx certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau)

Omni-ID office locations: US | UK | China | India | Germany

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

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