Omni-ID[®]

Omni-ID® Flex 1200

Omni-ID Flex 1200 is a low profile, flexible, cost effective RFID tag with superior RF performance. Supplied with an over laminate surface for increased durability, the Flex 1200 is designed specifically as a lower cost alternative to hard tags for applications demanding the protection of an over laminate and read ranges up to 16 meters.

Applications

With its flexibility and consistent RF performance, the Flex 1200 is ideally suited to applications such as:

- Office equipment
- Light outdoor use
- Portals

RF Specifications

Protocol EPC Class 1 Gen2V2	
Frequency Range (MHz) 902 - 928 (US), 866 - 868 (EU)	
Material Compatibility Optimized for Metal	

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, UTID is locked at point of manufacture.

Physical Specifications

Cover stock	White synthetic label with transparent over laminate
Size (mm)	95 x 25 x 3.8
Size (in)	3.74 x .98 x 0.15
Weight (g)	2.73



Read Range	Impinj Monza R6-P (standard)	Impinj Monza 4QT (custom option)
Fixed Reader ¹	Up to 16m	Up to 12m
Handheld Reader ¹	Up to 8m	Up to 6m
Memory ²	EPC - 128(96) bits User - 32(64) bits Unique TID - 48 bits	EPC - 128 bits User - 512 bits Unique TID - 48 bits

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.

 $^{\rm 2}\,{\rm EPC}$ and User memory are reprogrammable, UTID is locked at point of manufacture by IC manufacturer.



Dimensions stated in mm

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Related Products and Services

- Omni-ID IQ 600 Ultrathin label providing on metal tag functionality, low cost and hassle free deployment.
- Omni-ID Prox NG- Small form factor, global RFID tag ideal for IT asset management applications.
- Omni-ID Flex 600 Flexible, cost effective tag, ideal for office equipment and portal setups.
- Service Bureau Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.

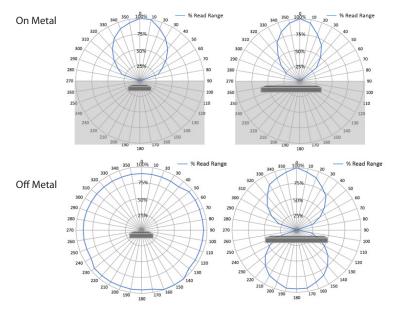


Environmental Specifications

Storage Temperature	–40 ° to +85 °C
Operation Temperature ¹	−40 ° to +85 °C
Survivability	–40 ° to +85 °C
IP Rating	IP68
Shock and Vibration	MIL STD 810-G
Attachment	Film adhesive (std)
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.

Radiation Patterns



Ordering Information

Order code

151 - EU, US

Order options

:303 (Customization) :304 (ATEX/IECEx certified) :307 (US&Canada (C1D1/D2) certified)

Supplied in rolls of 900 tags.

Omni-ID office locations: US | UK | China | India | Germany For product or technology inquiries email: sales@omni-id.com