Omni-ID® Flex 1200

Omni-ID Flex 1200 is a low profile, 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 low cost alternative to hard tags for applications demanding the protection of an over laminate and read ranges up to 12 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 & Returnable Transit Items (RTI)

Physical Specifications

Coverstock	White synthetic label with transparent over laminate
Size (mm)	75.0 x 25.0 x 2.50
Size (in)	2.95 x 0.98 x 0.10
Weight (g)	1.66

75mm
25mm
2.5mm

Dimensions stated in mm

RF Specifications

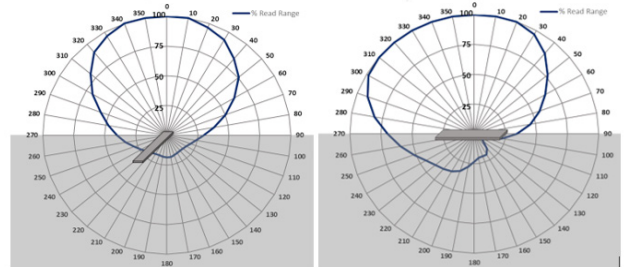| Protocol	EPC Class 1 Gen2V2
Frequency Range (MHz)	902 - 928 (US), 866 - 868 (EU)
Read Range (Fixed Reader)[1]	Up to12m (on metal) Up to 8m (off metal)
Read Range (Handheld Reader)[1]	Up to 6m (on metal) Up to 4m (off metal)
Material Compatibility	Optimized for Metal
IC Type (chip)	Monza R6-P
Memory[2]	EPC - 128(96) bits User - 32(64) 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.
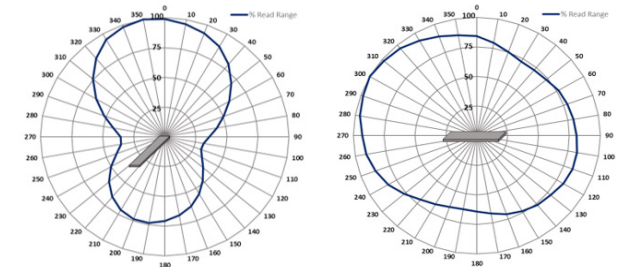[2] EPC & User memory are reprogrammable, UTID is locked at point of manufacture by IC manufacturer.

Radiation Patterns

On Metal

Off Metal

Related Products and Services

▶ **Omni-ID IQ 600 -** Ultrathin label providing on metal tag functionality, low cost and hassle free deployment.

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

▶ **Omni-ID Flex 1600 -** Low cost alternative to hard tags for applications requiring read ranges up to 16 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[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 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	160 - EU, US
Order options	:303 (Customization) :307 (US&Canada (C1D1/D2) certified) :536 (Textured surface adhesive)

Supplied in rolls of 900 tags. Minimum order quantity is 1 roll.

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

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

Authorized Reseller:
RFID4UStore
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