

Omni-ID® Flex 600

Omni-ID Flex 600 is a low profile, small form factor RFID tag designed specifically for attachment to office equipment. With its superior RF performance, this tag excels in portal applications expanding the read range to up to 9 meters. In addition, the Flex 600 tag is well suited to indoor applications where a low cost option is needed.

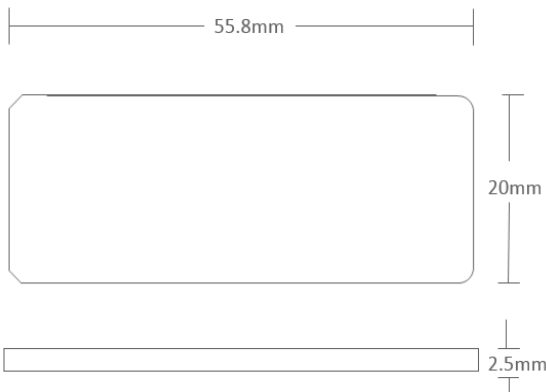
Applications

With a small footprint and consistent RF performance, the Flex 600 is ideally suited to applications such as:

- ▶ Office equipment
- ▶ Light outdoor use & RTI
- ▶ Portals

Physical Specifications

Coverstock	White synthetic label with transparent over laminate
Size (mm)	55.8 x 20.0 x 2.50
Size (in)	2.20 x 0.79 x 0.10
Weight (g)	0.85



Dimensions stated in mm

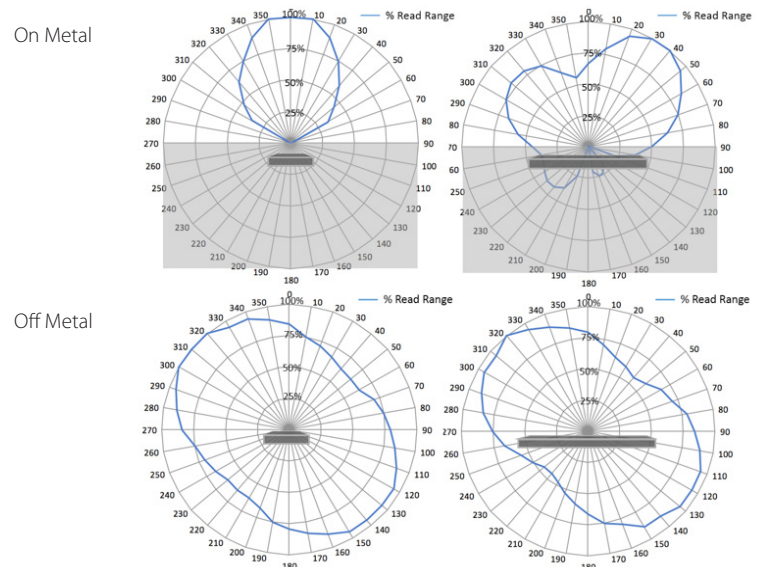
RF Specifications

Protocol	EPC Class 1 Gen2V2
Frequency Range (MHz)	902 - 928 (US), 866 - 868 (EU)
Read Range (Fixed Reader) ¹	
On metal	Up to 6.0m (up to 9.0m @ 45°)
Off metal	Up to 3.0m (up to 5.5m @ 45°)
Read Range (Handheld Reader) ¹	
On metal	Up to 3.0m
Off metal	Up to 1.5m
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 and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

Radiation Patterns






Related Products and Services

- ▶ **Omni-ID IQ 350** - The smallest ultrathin label, easy to deploy and optimized for thermal barcode printers.
- ▶ **Omni-ID Prox 200**- Small form factor, global RFID tag ideal for IT asset management applications.
- ▶ **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	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.

Ordering Information

Order code	149 - EU, US
Order options	:303 (Customization) :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified)

Supplied in rolls of 1000 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