



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
Size (mm)	55.8 x 20 x 2.5
Size (in)	2.20 x 0.79 x 0.10
Weight (g)	1.1



Dimensions stated in mm

RF Specifications

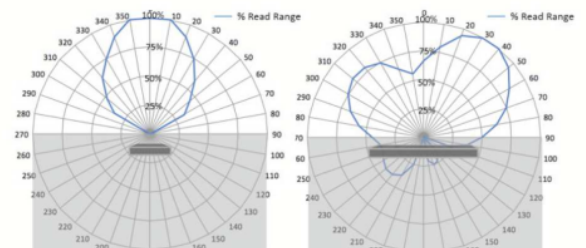
Protocol	EPC Class 1 Gen2V2
Frequency Range (MHz)	902 - 928 (US), 866 - 868 (EU)
Read Range (Fixed reader) ¹	
On metal	Up to 6.0m (up to 9.0m @ 45°)
Off metal	Up to 3.0m (up to 5.5m @ 45°)
Read Range (Handheld reader) ¹	
On metal	Up to 3.0m
Off metal	Up to 1.5m
Material Compatibility	Optimized for Metal
IC Type (chip)	Impinj Monza 4QT
Memory ²	EPC - 128bits User - 512bits UTID - 48bits

1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.

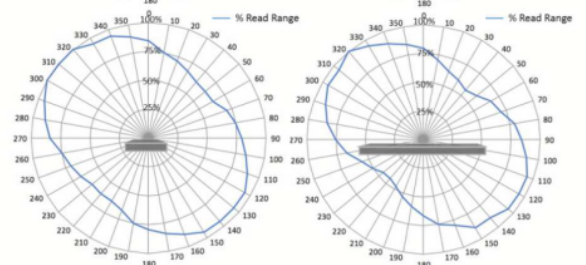
2. EPC and User memory are reprogrammable, UTID is locked at point of manufacture.

Radiation Patterns

On Metal



Off Metal



Related Products and Services

- ▶ **Omni-ID IQ 150** - The smallest ultrathin label, easy to deploy and optimized for thermal barcode printers.
- ▶ **Omni-ID Flex 400** - Small form factor, global RFID tag ideal for IT asset management applications.
- ▶ **Omni-ID Flex 1200** - Flexible, cost effective tag, designed specifically for applications needing 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

Ordering Information

Order code 149 - EU, US

Order options
 :303 (Customization)
 :304 (ATEX/IECEx certified)
 :307 (US&Canada (C1D1/D2) certified)
 :701 (Standard Service Bureau)

1. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.