Omni-ID® Prox® label

Omni-ID Prox label offers the smallest form factor, material agnostic, RFID tag on the market. Provided as a regionally-tuned tag, or broadband, globally compliant tag, Omni-ID Prox label forms an excellent platform for an easy to deploy, hassle free IT asset management solution. Supplied with a synthetic label finish, Omni-ID Prox label is knock and splash resistant and suitable for long term use in office environments.
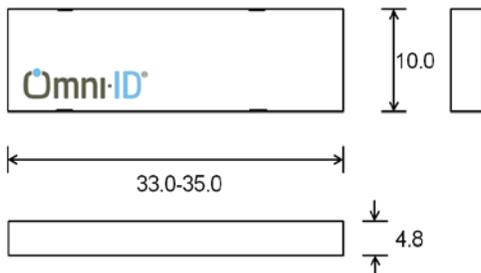
Building Intelligent Supply Chains

With its on and off metal read performance and small form factor, Omni-ID Prox label is ideally suited to IT Asset management applications, including tracking:

▸ Rack mounted servers.

▸ Routers and blades.

▸ General IT and Office equipment.

Physical Specifications

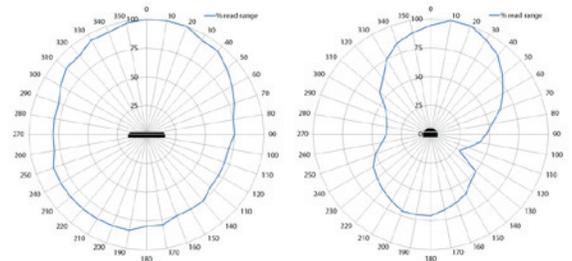| Encasement	Synthetic Label
Size (mm) (tolerance)	33 x 10 x 4.8 (US) 35 x 10 x 4.8 (EU,GS) (+/- 0.5)
Size (in) (tolerance)	1.30 x 0.39 x 0.19 (US) 1.38 x 0.39 x 0.19 (EU,GS) (+/-0.02)
Weight (g)	1.7 (US) 1.9 (EU,GS)

10.0

33.0-35.0

4.8

Dimensions stated in mm

RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	902–928 (US), 866–868 (EU) 860–960 (global)
Read Range (Fixed reader)[1]	Up to 3.0 (US), Up to 2.0 (EU) Up to 2.5 (GS)
Read Range (Handheld reader)[1]	Up to 1.5 (US), Up to 1.2 (EU) Up to 1.3 (GS)
Material Compatibility	Metal and non-metallic substrates
IC Type (chip)	Alien H3
Memory [2]	EPC - 96bits User - 512bits TID - 64bits

1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.
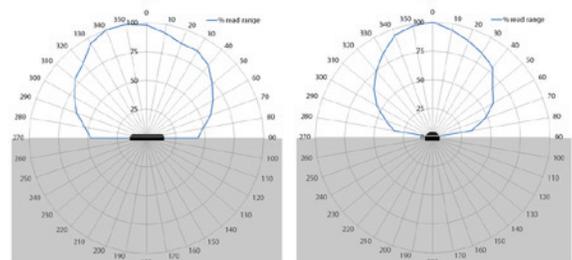2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

Radiation Patterns

On Plastic

Large Metal

Sheet

Related Products and Services

▶ **Omni-ID Prox NG -** Market leading consistency in a small form factor tag for large enterprise IT environments.

▶ **Omni-ID IQ 400 -** Small Ultrathin premium label for on metal functionality, supplied in roll form.

▶ **Omni-ID Exo 600 -** Small, global RFID tag for the logistics industry, well suited for attachment to metal bars of RTI's.

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

Environmental Specifications

Operating Temperature	+5 to +40 °C
Long term Max Temperature [1] exposure - (days,weeks,years)	+40 °C
Short term Max Temperature [1] exposure - (minutes,hours)	+55 °C
IP Rating	IP54
Shock and Vibration	MIL STD 810-F
Attachment	Film adhesive (standard) Standard foam adhesive (option) Premium foam adhesive (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 Numbers	011- EU, US, GS :304 (ATEX/IECEx certified) :307 (US&Canada (C1D1/D2) certified) :507 (std. foam), :508 (premium foam) :510 (tether cradle) :701 (Standard Service Bureau) :702 (Custom Service Bureau)

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