



Omni-ID® Prox-NG

Omni-ID Prox NG is a small form factor, global, RFID tag designed specifically for enterprise IT asset management environments. Market leading consistency is provided through its balanced, broadband RF design which supports handheld and portal use cases on both metal and plastic assets alike. Prox NG also includes a tether hole as standard, making it easy to deploy on any IT asset, anywhere in the world.

Building Intelligent Supply Chains

With its low profile, small footprint and consistent RF performance, Prox NG tags are ideally suited to IT asset management applications including tracking:

- ▶ Servers.
- ▶ Routers and Blades.
- ▶ Switches.

Physical Specifications

Encasement	Synthetic Label
Size (mm) (tolerance)	37.5 x 12.5 x 4.5 (+/- 0.5)
Size (in) (tolerance)	1.48 x 0.49 x 0.177 (+/-0.02)
Weight (g)	2.2



Dimensions stated in mm

RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	860-930MHz (Dual Band)
Read Range (Fixed reader) ¹	1.8m +/- 25%
Read Range (Handheld reader) ¹	0.9m +/- 25%
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.

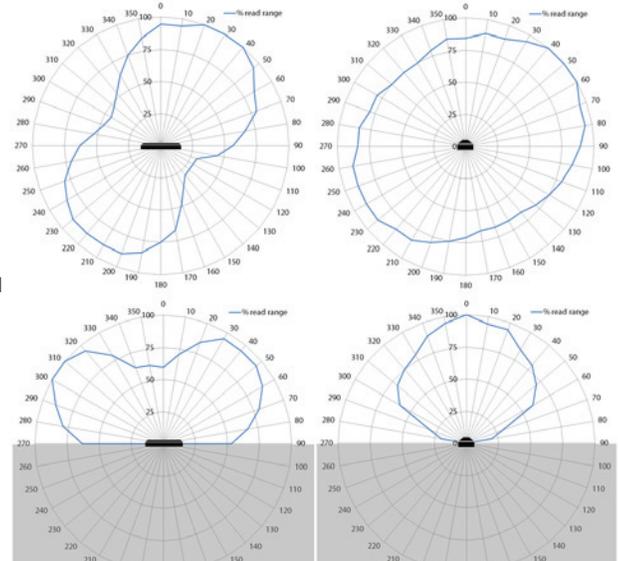
Radiation Patterns

On Plastic/

Free Air

Large Metal

Sheet



Related Products and Services

- ▶ **Omni-ID Prox label** - Consistent, small form factor tag for mixed metal and plastic IT asset 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 +55°C

Long term Max Temperature ¹ +55°C
exposure - (days,weeks,years)

Short term Max Temperature ¹ +65°C
exposure - (minutes,hours)

IP Rating IP54

Shock and Vibration MIL STD 810-F

Attachment Film Adhesive and tether hole (std)
Std Foam adhesive (opt)
Premium foam adhesive (opt.)

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	031 – DB :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :507 (std. foam), :508 (premium foam) :701 (Standard Service Bureau) :702 (Custom Service Bureau)
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Omni-ID office locations: US | UK | China | India | Southeast Asia
For product or technology inquiries email: sales@omni-id.com