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.
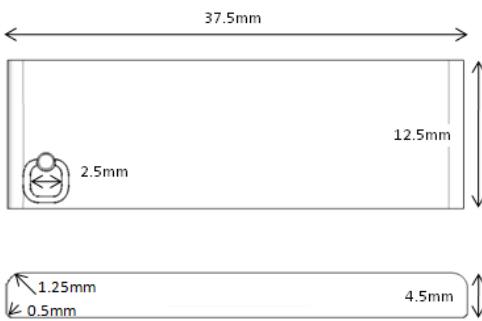
Applications

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.

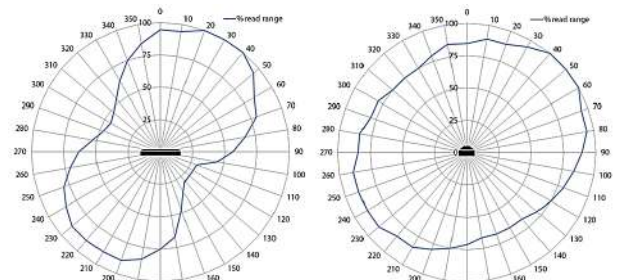▶ Switches.

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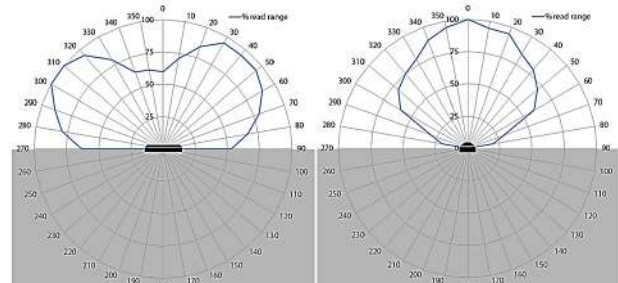
2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

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

Radiation Patterns

On Plastic/ Free Air

Large Metal Sheet

Dimensions stated in mm

Related Products and Services

▸ **Omni-ID IQ 150 -** A very small ultrathin label, easy to deploy and optimized for thermal barcode printers.

▸ **Omni-ID IQ 350-** Smallest size to performance RFID label in the market, optimized for thermal barcode printers.

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

▸ **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] exposure - (days,weeks,years)	+55°C
Short term Max Temperature [1] exposure - (minutes,hours)	+65°C
IP Rating	IP54
Shock and Vibration	MIL STD 810-G
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 :303 (customization) :304 (ATEX/IECEx certified) :307 (US&Canada (C1D1/D2) certified) :507 (std. foam) :508 (premium foam) :701 (Standard Service Bureau)