Omni-ID

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Omni-ID Max® label

Omni-ID Max label is a long range passive UHF tag capable of reading on, off, and near metal surfaces. Designed in a surprisingly small form factor, Omni-ID Max label features a synthetic label finish, making it splash and scuff resistant, and a premium self-adhesive for easy attachment to assets.
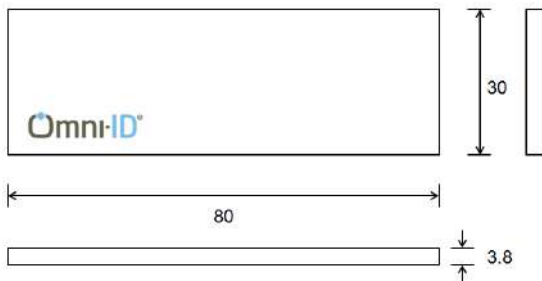
Applications

With its high performance and premium materials, Omni-ID Max label is ideally suited to indoor asset tracking applications including:

▶ Larger IT equipment.

▶ Plastic, wooden and metal office equipment.

▶ Identifying room locations for asset association.

Physical Specifications

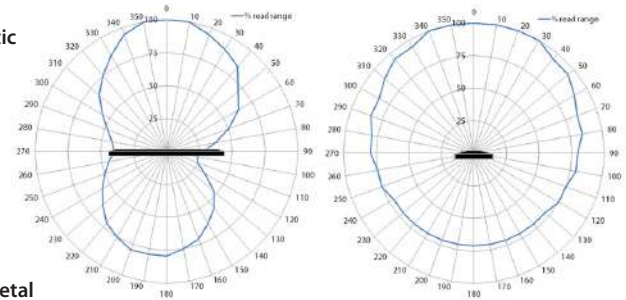| Encasement	Synthetic Label
Size (mm) (tolerance)	80 x 30 x 3.8 (+/–1.0)
Size (in) (tolerance)	3.15 x 1.18 x 0.15 (+/–0.04)
Weight (g)	8.4

Dimensions stated in mm

RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	902-928 (US) 866-868 (EU)
Read Range (Fixed reader)[1]	Up to 12.0 (US) Up to 8.0 (EU)
Read Range (Handheld reader)[1]	Up to 6.0m (US) Up to 4.0m (EU)
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.
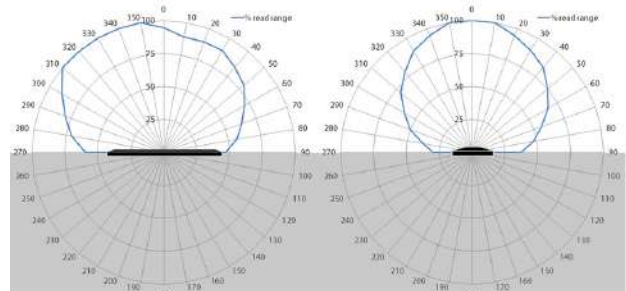
Radiation Patterns

On Plastic

Large Metal Sheet

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Related Products and Services

▶ **Omni-ID Flex label-** Medium range RFID label product for mixed metal and plastic IT asset environments.

▶ **Omni-ID IQ 800 P-** Large premium label for plastic assets.

▶ **Omni-ID Max rigid -** High performance, long range RFID tag product for industrial applications involving metal and plastic assets.

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

Environmental Specification

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	Premium 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	015 – US, EU :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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