Omni-ID®
Building Intelligent Supply Chains

Omni-ID® Adept 360°

The Omni-ID Adept 360° is a UHF RFID tag for the most harsh environmental applications. The tag is encased in an industrial steel frame with a tether attachment designed to meet the needs of oil and gas users and other heavy industry applications.
The Omni-ID 360° is available with a range of options including a surface etching/printing finishing option and a dual technology option .
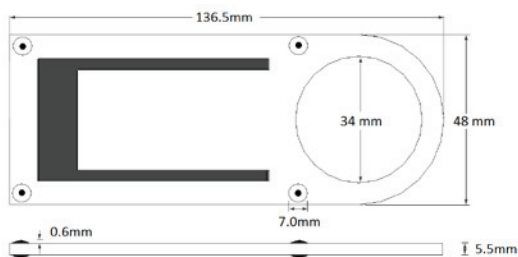
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With its steel framework, 360° read angle and long read range the Omni-ID Adept 360° is ideal in heavy industry applications for tracking:

▶ Slings.

▶ Shackles.

▶ Heavy machinery.

Physical Specifications

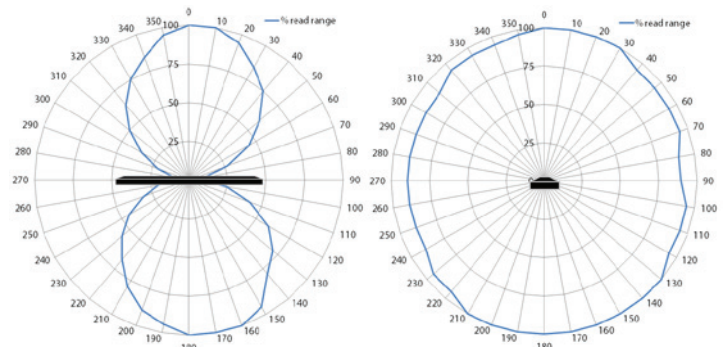| Encasement	Steel frame
Size (mm) (tolerance)	136.5 x 48 x 5.5 (+/- 1.0)
Size (in) (tolerance)	5.4 x 1.9 x 0.217 (+/-0.04)
Weight (g)	126.0

Dimensions stated in mm

RF Specifications

Protocol	UHF - EPC Class 1 Gen2 HF (Opt.) - ISO 15693
Frequency Range (MHz)	860-930MHz (GS) 13.56MHz (HF opt.)
Read Range (Fixed reader)[1]	Up to 10.0m (UHF) Up to 0.1m (HF opt)
Read Range (Handheld reader)[1]	Up to 5.0m (UHF) Up to 0.1m (HF opt)
Material Compatibility	Any
IC Type (chip)	UHF - Alien H3 HF (opt.) - NXP I-Code
Memory [2]	UHF EPC - 96bits UHF User - 512bits UHF TID - 64bits HF (opt.) - 1Kbit

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

Tethered in air

![Omni-ID logo]

Ömni-ID®

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Visit www.omni-id.com to learn more about the complete line of Omni-ID RFID products.

Related Products and Services

▸ **Omni-ID Dura 600 -** Small form factor, High impact resistant, on-metal RFID tag for adhesive attachment to industrial assets.

▸ **Omni-ID Dura 1500-** Long range, high durability RFID tag product for heavy industry applications involving metal.

▸ **Omni-ID Adept 400 -** High impact Resistance RFID tag for easy strap or adhesive attachment to industrial equipment.

▸ **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	−40°C to +85°C
Long term Max Temperature [1] exposure - (days,weeks,years)	+120°C
Short term Max Temperature [1] exposure - (minutes,hours)	+140°C
IP Rating	IP68
Shock and Vibration	MIL STD 810-F
Impact[2]	>25kg from 1m
Attachment	Tether hole (std)
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.
2. Testing methodology available on request

Ordering Information

Order Numbers	032- GS :304 (ATEX/IECEx certified) :305 (HF module) :307 (US&Canada (C1D1/D2) certified) :704 (Single side print) :705 (Double side print)

![CE] ![RoHS] ![Ex]

Authorized Reseller:
RFID4UStore
www.rfid4ustore.com
1-408-739-3500
sales@rfid4ustore.com

RFID 4u Store

Omni-ID office locations: US | UK | China | India | Southeast Asia

For product or technology inquiries email: sales@omni-id.com

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