

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 .



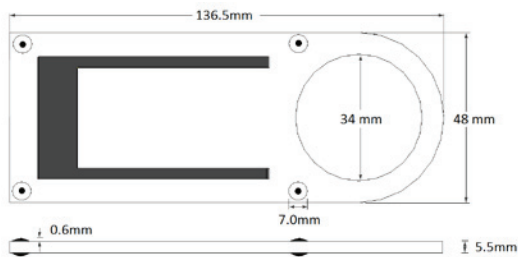
Building Intelligent Supply Chains

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

