

Omni-ID Max® HD

Omni-ID Max HD is the most durable and long range Max tag product offering long read ranges across all geographies. Designed with heavy industry in mind, the Omni-ID Max HD features extreme impact resistance and high temperature ratings, enabling it to be deployed in outdoor heavy industry environments anywhere in the world.



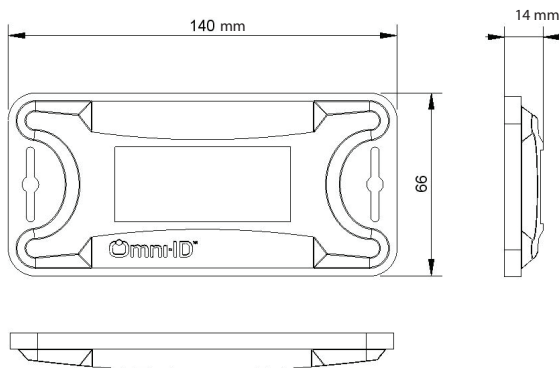
Applications

With an excellent read range across all geographic regions and a durable, high heat resistant encasement, the Max HD is best suited to outdoor applications, including:

- ▶ Container tracking for yard management.
- ▶ Cargo tracking.
- ▶ Defense asset management.

Physical Specifications

Encasement	ABS or Polycarbonate
Size (mm) (tolerance)	140 x 66 x 14.0 (+/-1.0)
Size (in) (tolerance)	5.51 x 2.6 x 0.55 (+/-0.04)
Weight (g)	79.0 (ABS) 82.0 (PC)



Dimensions stated in mm

RF Specifications

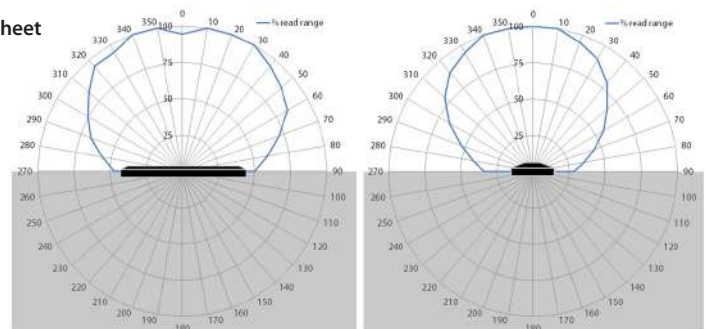
Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	860–960 (global)
Read Range (Fixed reader) ¹	Up to 15.0 (global)
Read Range (Handheld reader) ¹	Up to 7.5 (global)
Material Compatibility	Optimized for metal
IC Type (chip)	Alien H3
Memory ²	EPC - 96bits User - 512bits TID - 64bits

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

Large Metal

Sheet



Related Products and Services

- ▶ **Omni-ID Max Rigid** - High performance, long range RFID tag product for outdoor applications involving metal and plastic assets.
- ▶ **Omni-ID Max SQ-D**- Extreme durability, long range and global operability in a small, square footprint, on metal RFID tag.
- ▶ **Omni-ID IQ 800 P**- Large premium label for 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	ABS: -40 to +65 °C PC: -40 to +100 °C
Long term Max Temperature ¹ exposure - (days,weeks,years)	ABS: +65 °C PC: +100 °C
Short term Max Temperature ¹ exposure - (minutes,hours)	ABS: +75 °C PC: +120°C
IP Rating	IP68
Shock and Vibration	MIL STD 810-F
Impact	>25kg from 1m
Attachment	Manual (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	3 years

1. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

Ordering Information

Order Numbers	008 - GS :302 (PC) :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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For more information, contact:

Omni-ID Corporate Headquarters:

1200 Ridgeway Ave
Rochester, NY 14615 USA

European Office:

The Enterprise Centre
Coxbridge Business Park
Alton Road, Farnham, Surrey
GU10 5EH, United Kingdom

Asia Office:

Process Export zone
East of Road No.4 and South of Road No.2
Chengyang District
Qingdao
266113, P.R. China

For product or technology inquiries:

Email customer.services@omni-id.com

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