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# **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.

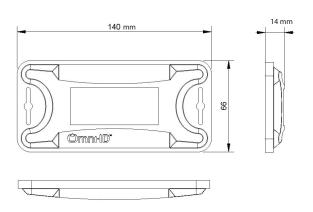
## **Applications**

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



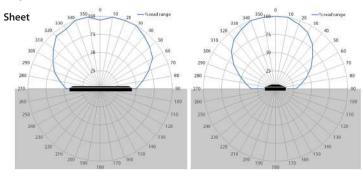
### **RF Specifications**

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) <sup>1</sup>	Up to 7.5 (global)
Material Compatibility	Optimized for metal
IC Type (chip)	Alien H3
Memory <sup>2</sup>	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



Dimensions stated in mm



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### **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

<sup>1.</sup> Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

### **Ordering Information**

Order Numbers :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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