



## Omni-ID Max®

The Max product line features longer-range tags, all with Omni-ID's outstanding read performance on, off, and near metal. Max RFID tags are available in a wide selection of form factors, depending on application requirements.

- **Max** — A surprisingly small, high-performance passive UHF RFID tag for indoor or outdoor environments, depending on encasement option.
- **Max SQ** — A unique combination of global functionality, robust construction, and outstanding performance-to-size ratio.
- **Max HD** — The most durable and high performing Max tag offers excellent read ranges globally, ideal for the most challenging asset tracking and management applications.

	Max Label	Max Rigid Case	Max SQ	Max HD
Read Range (m) – On Metal <sup>1</sup>	Up to 12.0 (US) Up to 8.0 (EU)	Up to 12.0 (US) Up to 10.0 (EU) Up to 7.0 (JPN)	Up to 8.0 (global)	Up to 15.0 (global)
On Metal or Balanced	Balanced	Balanced	On Metal	On Metal
Size (mm) (tolerance)	80 x 30 x 3.8 (+/-1.0)	104 x 33 x 8.4 (+/-1.0)	51 x 42 x 12.2 (+/-1.0)	140 x 66 x 14.0 (+/-1.0)
Size (in) (tolerance)	3.15 x 1.18 x 0.15 (+/-0.04)	4.1 x 1.3 x 0.33 (+/-0.04)	2.0 x 1.65 x 0.48 (+/-0.04)	5.51 x 2.6 x 0.55 (+/-0.04)
Weight (g)	8.4	22.0	19.5	75.0 (ABS), 82.0 (PC)
Encasement	Synthetic Label	Rigid case (ABS or Polycarbonate)	Rigid case (Polycarbonate)	Rigid case (ABS or Polycarbonate)
Frequency Range (MHz)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU) 952–954 (JPN)	860–960 (global)	860–960 (global)
IC Type	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
User Memory (bits)	512	512	512	512
Operating Temperature (°C)	+5 to +40 °C	ABS: –20 to +55 °C PC: –20 to +85 °C	–40 to +85 °C	ABS: –40 to +65 °C PC: –40 to +100 °C
IP Rating	IP54	IP68	IP68	IP68
Shock and Vibration <sup>2</sup>	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2
Attachment	Film adhesive (std.) Foam adhesive (opt.)	Manual (std.) Film adhesive (opt.) Foam adhesive (opt.)	Manual (std.) Film adhesive (opt.) Foam adhesive (opt.)	Manual (std.) Foam Adhesive (opt.)
Order Number	015 - US 015 - EU :304 (ATEX marked), :507 (std. foam), :508 (premium foam)	020 - US, 020 - EU 020 - JPN :302 (PC), :304 (ATEX marked) :502 (film), :507 (std. foam), :508 (premium foam)	024 - GS :304 (ATEX marked), :502 (film), :507 (std. foam), :508 (premium foam), :509 (3.2mm rivet washer)	008 - GS :302 (PC), :304 (ATEX marked), :507 (std. foam), :508 (premium foam)

1. Quoted performance achieved using standard Omni-ID test methodology, details available upon request.

2. Product designed to meet MIL STD 810-F and BS EN 60068-2. Please contact Omni-ID for further details.  
All Products are RoHS compliant

# Omni-ID Max® Label and Rigid Case

## Max Label



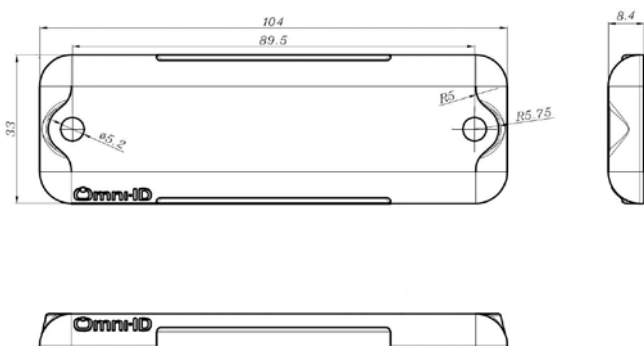
The Max tag is available in a printed label finish with adhesive backing for easy and direct attachment to assets.

## Max Rigid Case v2



The Max is available in a sturdy rigid encasement with manual attachment or adhesive backing options suitable for use in a moist or harsh environment.

## Max Rigid Case v2 Dimensions



## Max Label and Max Rigid Case Target Applications

Max tags provide the flexibility of a longer read range while maintaining a smaller tag footprint. Max high performance tags are ideal for:

- ▶ Stillages
- ▶ Reusable conveyance tracking
- ▶ Returnable Transport Items

## Product Specifications

	Max Label	Max Rigid Case
Read Range (m) – On Metal <sup>1</sup>	Up to 12.0 (US) Up to 8.0 (EU)	Up to 12.0 (US) Up to 10.0 (EU) Up to 7.0 (JPN)
On Metal or Balanced	Balanced	Balanced
Size (mm) (tolerance)	80 x 30 x 3.8 ( +/–1.0 )	104 x 33 x 8.4 ( +/–1.0 )
Size (in) (tolerance)	3.15 x 1.18 x 0.15 ( +/–0.04 )	4.1 x 1.3 x 0.33 ( +/–0.04 )
Weight (g)	8.4	22.0
Encasement	Synthetic Label	Rigid case (ABS or PC)
Frequency Range (MHz)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU) 952–954 (JPN)
IC Type	Alien Higgs 3	Alien Higgs 3
User Memory (bits)	512	512
Operating Temperature (°C)	+5 to +40 °C	ABS: –20 to +55 °C PC: –20 to +85 °C
IP Rating	IP54	IP68
Shock and Vibration <sup>2</sup>	MIL STD 810-F BS EN 60068-2	MIL STD 810-F BS EN 60068-2
Attachment	Film adhesive (std.) Foam adhesive (opt.)	Manual (std.) Film adhesive (opt.) Foam adhesive (opt.)
Order Number	015 - US 015 - EU :304 (ATEX marked) :507 (std. foam), :508 (premium foam)	020 - US 020 - EU 020 - JPN :302 (PC), :304 (ATEX marked) :502 (film), :507 (std. foam), :508 (premium foam)

1. Quoted performance achieved using standard Omni-ID test methodology, details available upon request.  
2. Product designed to meet MIL STD 810-F and BS EN 60068-2. Please contact Omni-ID for further details.

# Omni-ID Max® SQ

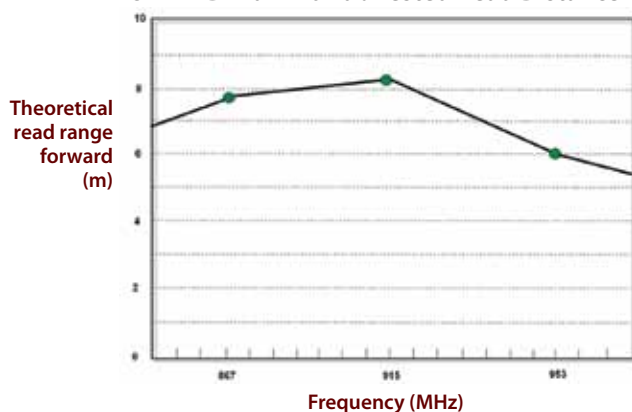
## Max SQ



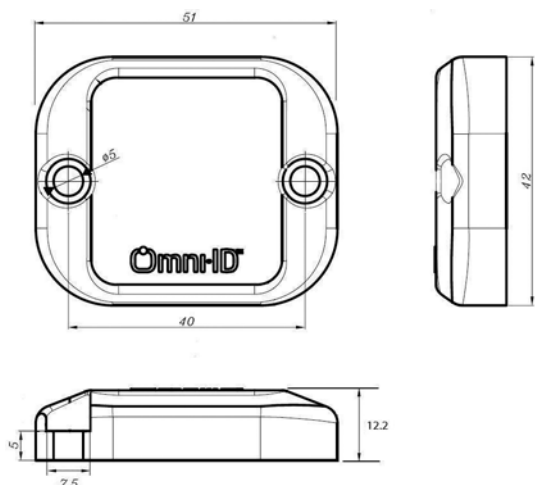
The Max SQ is available in a polycarbonate finish and can be mounted easily on any metallic surface manually or with industrial foam adhesive

## Performance

Omni-ID Max Pro Lab Tested Read Distance



## Max SQ Dimensions



## Max SQ Target Applications

With a long read range and small footprint, the Max SQ offers outstanding performance-to-size ratio, ideal for:

- ▶ Returnable Transport Items (RTI)
- ▶ Industrial Equipment
- ▶ Conveyance Tracking
- ▶ Warehouse Racks and Storage

## Product Specifications

Max SQ	
Read Range (m) – On Metal <sup>1</sup>	Up to 8.0 (global)
On Metal or Balanced	On Metal
Size (mm) (tolerance)	51 x 42 x 12.2 (+/-1.0)
Size (in) (tolerance)	2.0 x 1.65 x 0.48 (+/-0.04)
Weight (g)	19.5
Encasement	Rigid case (Polycarbonate)
Frequency Range (MHz)	860–960 (global)
IC Type	Alien Higgs 3
User Memory (bits)	512
Operating Temperature (°C)	–40 to +85 °C
IP Rating	IP68
Shock and Vibration <sup>2</sup>	MIL STD 810-F BS EN 60068-2
Attachment	Manual (std.) Film adhesive (opt.) Foam adhesive (opt.)
Order Number	024 - GS :304 (ATEX marked) :502 (film) :507 (std. foam), :508 (premium foam) :509 (3.2mm rivet washer)

1. Quoted performance achieved using standard Omni-ID test methodology, details available upon request.
2. Product designed to meet MIL STD 810-F and BS EN 60068-2. Please contact Omni-ID for further details.

# Omni-ID Max® HD

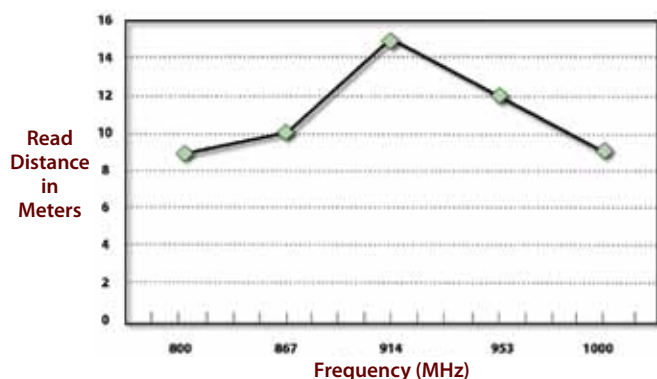
## Max HD



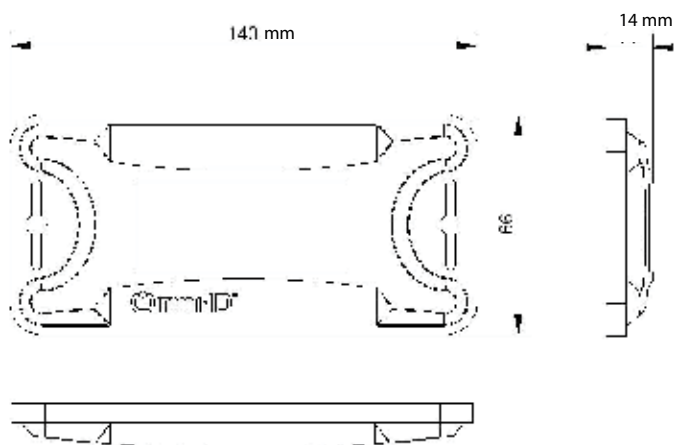
The Max HD offers the choice of a rigid ABS encasement or rugged polycarbonate case for all-weather exposure. Foam adhesive or manual attachment options are available.

## Performance

Omni-ID Max HD Lab Tested Read Distance



## Max HD Dimensions



## Max HD Applications

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

- ▶ Cargo tracking and security
- ▶ Airline unit load devices
- ▶ Military equipment
- ▶ Automotive conveyances
- ▶ Heavy machinery
- ▶ Returnable Transport Items (including harsh environments)

## Product Specifications

### Max HD

Read Range (m) – On Metal <sup>1</sup>	Up to 15.0 (global)
On Metal or Balanced	On Metal
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)
Encasement	Rigid case (ABS or Polycarbonate)
Frequency Range (MHz)	860–960 (global)
IC Type	Alien Higgs 3
User Memory (bits)	512
Operating Temperature (°C)	ABS: -40 to +65 °C PC: -40 to +100 °C
IP Rating	IP68
Shock and Vibration <sup>2</sup>	MIL STD 810-F BS EN 60068-2
Attachment	Manual (std.) Foam Adhesive (opt.)
Order Number	008 - GS (std.) :302 (PC), :304 (ATEX marked) :507 (std. foam), :508 (premium foam)

1. Quoted performance achieved using standard Omni-ID test methodology, details available upon request.  
2. Product designed to meet MIL STD 810-F and BS EN 60068-2. Please contact Omni-ID for further details.

## Omni-ID Max®+

### Contact Information

For more information, contact:

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