



## Omni-ID Max™ (European Version)

Omni-ID Max is a long-range passive UHF RFID tag with a managed read range greater than 7.0 metres—providing maximum visibility for multiple applications, including conveyances, pallets, large high-value assets, and even vehicle tracking. Omni-ID Max delivers world class, balanced on/off metal performance in a surprisingly small package.

Omni-ID Max comes standard with a printed label finish or an available low-profile ruggedized rigid case for applications with harsh environmental requirements.

### Barcodes meet RFID.

In order to provide a transition between barcode and RFID functionality, Omni-ID Services are available to print barcode and human readable information on the outer label, and add chip programming with the associated EPC code on each individual tag.

## Omni-ID is RFID, redefined.

We eliminated the interference to metals and liquids that cause conventional RFID tags to underperform in harsh environments. Our breakthrough technology enables you to track high value assets and manage supply chains with over 99.99% accuracy. Yet, not only have we developed the industry's most reliable RFID tags, we've also built alliances with the most trusted providers of RFID hardware, software, and solutions. Together, we can ensure that you have a complete solution that meets your unique requirements. All of which explains why a growing number of companies are choosing to identify with Omni-ID. Interested in joining them? [Contact Omni-ID today.](#)

### UHF "On Metal" Tag Comparison

	Omni-ID Tag	Stand-off/Spacer Tag	Magnetic Isolating Barrier Tag	Tuned Antenna and Ground Plane Tags	Patch Antenna Tags
Size and shape	Small	Large	Small	Medium	Small
Balanced performance on and off metal	High	Medium	Low	Medium	Low
Reliability/robust performance in a metal environment	High	Low	Low	Low	High
Value for money	High	Medium	Low	Medium	Low

### Omni-ID Max Applications

- Reusable conveyance tracking
- Large asset and cargo tracking (railroad and sea containers)
- Automotive conveyances
- Airline Unit Load Devices (LLD), totes, single-use transit packaging, and stillages

### Omni-ID Max Highlights

- Robust, balanced performance on, off, or near metals and liquids
- Fast read speeds and reliable read rates of over 99.99%
- Excellent price-to-performance ratio
- Increased visibility of assets/conveyances
- Improved efficiency for locating or auditing items
- 240 bit EPCglobal Class-1 Gen2-compliant silicon
- Minimal support requirements
- Supplied with label finish or optional ruggedized case finish

### Contact Omni-ID

For product or technology inquiries:  
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Visit [www.omni-id.com](http://www.omni-id.com) to learn more about  
Omni-ID's complete line of RFID products

### Omni-ID Max Specifications

	Omni-ID Max	Omni-ID Compact (Ruggedized Rigid Case)
<b>General Information</b>		
Frequency range	865.6MHz to 867.6MHz	865.6MHz to 867.6MHz
IC	Alien Higgs H2	Impinj Monza 1a
<b>RF Specifications</b>		
IC Protocol	UHF EPC Class-1 Gen2	UHF EPC Class-1 Gen2
IC Memory	240 bits	128 bits
Read range on metal <sup>1</sup>	>7.0m	>5.0m
Read range off metal <sup>1</sup>	>7.0m	>5.0m
<b>Physical Specifications</b>		
Encasement	Label covering	ABS housing
Attachment	3M 9471 self adhesive	2x Ø4mm rivet holes
Length	80mm	123mm
Width	30mm	59mm
Thickness	3.5mm	6.5mm
Casing material	Paper label	ABS
Colour	NA	Blue
Mass	9.0g	36.5g
Ingress protection	NA	IP65
Operating temperature	-20°C to +65°C	-20°C to +65°C
Order reference number	0114-0203-0405	0102-0202-0201

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