

Specialty Tags



Catalog Comparison Guide



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Product Name		Adept 400	Adept 400	Adept 500	Adept 850	Adept 360°
Typical Applications		Piping Valves Processing Equipment	Piping Valves Processing Equipment	Gas Cylinders Beverage Kegs	Manufacturing & Supply Chain Automotive Outdoor & Industrial Operations Cycling metal carriers	Very heavy industry applications. Identification of lifting equipment for maintenance and inventory management
RF Specifications	Frequency Range (MHz)	860-930 (GS)	860-930 (GS)	902-928 (US only)	860-960 (GS)	860-930MHz (GS) 13.56MHz (HF opt.)
	Read Range (m) Fixed reader Handheld reader	Up to 4 = 5 layer, Up to 4.0 = 4 layer Up to 2 = 5 layer, Up to 2.0 = 4 layer	Up to 4.5 Up to 1.8	Up to 12.0 Up to 5.0	Up to 8.5 Up to 4.0	Up to 10 (UHF), Up to 0.1 (HF opt) Up to 5.0 (UHF), Up to 0.1 (HF opt)
	Material Compatibility	Optimized for Metal	Optimized for Metal	Optimized for Metal	Optimized for Metal	Metal and non-metallic substrates
	IC Type	Monza 4QT	Alien Higgs 3	Monza R6-P	Qstar-5A	Alien H3 (UHF) NXP I-Code (HF opt.)
Physical and Environmental Specifications	Encasement	Stainless Steel with Ceramic Core	Stainless Steel with Ceramic Core	Durable Thermoplastic	ABS	Steel frame
	Size (mm)	45.0 × 30.5 × 15.5 = 5 layer 39 × 30.5 × 8.2 = 4 layer	36.0 × 25.0 × 13.5 = 5 layer 30 × 25 × 8.2 = 4 layer	37.0 × 37.0 × 11.5	65.0 × 45.0 × 8.0	136.5 × 48.0 × 5.50
	Weight (g)	94.0 = 5 layer, 35 = 4 layer	58.0 = 5 Layer, 35.0 = 4 layer	9.8	34	126
	Operating Temperature (°C)	-20 to +65	-20 to +65	-20 to +65	-20 to +85	-40 to +85
	Ingress Protection	IP68	IP68	IP68	IP68	IP68
	Shock and Vibration ¹	MIL STD 810-G	MIL STD 810-G	MIL STD 810-F	MIL STD 810-G	MIL STD 810-F
Attachment	Steel strap or welded = 5 layer Epoxy2or welded = 4 layer	Steel strapping or welded = 5 layer Epoxy2or welded = 4 layer	Premium foam (option)	Rivet/screw (not included) Foam or thin film Adhesive (option)	Tether attachment (not included)	
Order Codes [†]	CP08543 = 5 layer CP08542 = 4 layer	080 – (US only) For 4 layer, add option code :523	CP16202 – GS (no backing adhesive)	114 – GS	CP08494-01	

¹ Products tested by third party in line with use case requirements. ² Customer to validate their epoxy. [†] Order Option Codes are listed on the datasheets.

Visit www.omni-id.com to learn more about the complete line of Omni-ID RFID products.

Values for Comparison only, please refer to Product Datasheets for full specifications

Please note that we are undergoing some changes to the Integrated Circuits (IC's) we use in certain products in order to secure supply and also to upgrade to the very latest technology. In most cases this is resulting in an increase in read performance (20% better on average). The best place for up to the minute product details is via the datasheets on our website at www.omni-id.com

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Product Name	Fit 400P	Max Rigid	Pipe	Prox NG	
Typical Applications	Tool tracking Plastic handles on tools Surface mounting to plastic components of high value assets	Tracking returnable transit items Warehouse storage locations Rail carriage identification	Drill Pipe Bolsters Large cylindrical assets	Enterprise IT data center asset management	
RF Specifications	Frequency Range (MHz)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902-928 (US) 866-868 (EU)	860-930 (GS)
	Read Range (m) Fixed reader Handheld reader	Up to 4.0 Up to 2.0	Up to 12.0 (US), Up to 10.0 (EU) Up to 6.0 (US), Up to 5.0 (EU)	Up to 15.0 Up to 7.5	Up to 4.0 Up to 2.5
	Material Compatibility	Non-metallic substrates only	Metal and non-metallic substrates	Optimized	Metal & non-metallic substrates
	IC Type	EM 4124	Alien Higgs 3	Alien Higgs 3	Impinj - M730
Physical and Environmental Specifications	Encasement	Ceramic - Painted Black	ABS or Polycarbonate	Polypropylene structure and synthetic label	Synthetic Label
	Size (mm)	17.6 × 7.10 × 4.10	104 × 33.0 × 8.40	79.0 × 74.0 × 20.0	37.5 × 12.5 × 4.5
	Weight (g)	2.6	22.0	44.0	2.2
	Operating Temperature (°C)	-40 to +75	-40 to +85	-40 to +65	-5 to +55°C
	Ingress Protection	IP68	IP68	IP68	IP54
	Shock and Vibration¹	MIL STD 810-F	MIL STD 810-F	MIL STD 810-G	MIL STD 810-F
Attachment	Permanent liquid adhesive (not included) or film adhesive option	Manual (std) Premium Foam adhesive (option)	Strap- not included	Film adhesive & tether hole (std) Premium foam adhesive (option)	
Order Codes²	CP15704-EU-No Adhesive, CP15705-US No Adhesive, CP15706-EU with Adhesive, CP15707-US with Adhesive	020 – US, EU	030 – US, EU	CP08728-02	

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