

Exo Range – Encased and Heavy-Duty

Featured Comparison Guide



Product Name		High Temperature	Global	Global	Global	Global
Product Name		Exo 400HT	Exo 600	Exo 750	Exo 800	Exo 800P Rigid
Typical Applications		Healthcare sterilization processes Manufacturing Automotive. post paint processes	Logistics & Postal Industries. Automotive. Retail & warehousing	Automotive Supply Chain. Logistics and Postal. Manufacturing tote tracking	Manufacturing tote tracking. Logistics and Postal. Retail supply chain	Plastic RTIs and containers Plastic pallets Non-metallic industrial assets
RF Specifications	Frequency Range (MHz)	902-928 (US) 866-868 (EU)	860–930 (GS)	860–930 (GS)	860–930 (GS)	860–930 (GS)
	Read Range (m) Fixed reader Handheld reader	Up to 4.0 Up to 2.0	Up to 6.0 Up to 3.0	Up to 11.0 (US), 7.0 (EU) Up to 5.0 (US), 3.5 (EU)	Up to 8.0 Up to 4.0	Up to 8.0
	Material Compatibility	Optimized for Metal	Optimized for Metal	Optimized for Metal	Optimized for Metal	Optimized for Plastic
	IC Type	Alien Higgs 3	Impinj Monza 4QT	Impinj Monza 4QT	Impinj Monza 4QT	Alien Higgs 3
Physical and Environmental Specifications	Encasement ²	Thermoplastic	ABS Rigid Plastic	ABS Rigid Plastic	ABS Rigid Plastic	ABS Rigid Plastic
	Size (mm)	37.0 × 14.0 × 7.5	80.0 × 15.0 × 12.5	51.0 × 48.0 × 12.6	110 × 25.0 × 12.9	105 × 36.0 × 3.5
	Weight (g)	5.7	12.5	25.6	26.8	11.6
	Operation Temperature (°C)	-20 to +85	-40 to +85	-40 to +85	-40 to +85	-20 to +85
	Max Temperature Exposure (°C)	-20 to +235	-40 to +85	-40 to +85	-40 to +85	-20 to +85
	Ingress Protection	IP68	IP68	IP68	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
Attachment	Mechanical (std) 2 x Ø3mm holes	Mechanical (std.) Premium foam adhesive (option)	Mechanical (std.) Premium foam adhesive (option)	Mechanical (std.) Premium foam adhesive (option)	Rivet/Screw(not included) Premium foam adhesive (option)	
Order Codes [*]	144 – EU, US	061 – GS	078 – GS	077 – GS	104 – GS	

* Order Option Codes are listed on the datasheets. 1 Prolonged exposure to temperatures over 70°C may result in minor dimensional change to the case, attachment by rivets instead of adhesive is recommended. 2 See datasheet for Transparent option

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

Exo Range – Encased and Heavy-Duty

Featured Comparison Guide



🌐 Global



🌐 Global



🌐 Global

Product Name		Exo 1000	Exo 2000	Exo 3000
Typical Applications		Manufacturing tote tracking Logistics and Postal Retail supply chain	Container tracking for yard management. Cargo tracking. Defense asset management	Cargo and container tracking. Heavy equipment tracking and maintenance. Location identification in lay down zones
RF Specifications	Frequency Range (MHz)	860–930 (GS)	860–930 (GS)	860–930 (GS)
	Read Range (m) Fixed reader	Up to 10.0	Up to 20.0	Up to 33.0
	Handheld reader	Up to 8.0	Up to 9.0	Up to 20.0
	Material Compatibility	Optimized for Metal	Optimized for Metal	Optimized for Metal
IC Type		Impinj Monza 4QT	Impinj Monza 4QT	Impinj Monza 4QT
Physical and Environmental Specifications	Encasement	ABS Rigid Plastic	PC ABS blend	PC ABS blend
	Size (mm)	110 × 25.0 × 12.7	139 × 53.0 × 14.9	174 × 70.0 × 17.7
	Weight (g)	18.3	64.0	110
	Operation Temperature (°C)	–40 to +85 ¹	–40 to +85	–40 to +85
	Max Temperature Exposure (°C)	–40 to +85 ¹	–40 to +100	–40 to +100
	Ingress Protection	IP68	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
	Attachment	Mechanical (std) 2 x Ø3mm holes	Manual (std) Premium Foam adhesive (option)	Mechanical (standard) Premium foam adhesive (option)
Order Codes ²		144 – EU, US	152 – GS	153 – GS

¹ Order Option Codes are listed on the datasheets. ¹ Prolonged exposure to temperatures over 70°C may result in minor dimensional change to the case, attachment by rivets instead of adhesive is recommended. ² See datasheet for Transparent option

Need a Custom Tag?

Our customized and embedded RFID solutions can ensure you know more, about everything, and make critical business decisions faster.

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

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