



IMPINJ MONZA CHIP SAMPLE PACK COMPARISON GUIDE



Product Name	AVERY DENNISON AD-321R6	INVENGO LINTRAK C	INVENGO MUTRAK	SMARTRAC R6 DOGBONE	SMARTRAC R6 SHORTDIPOLE	SMARTRAC FOAM-BACKED R6 SHORTDIPOLE	TAGEOS EOS-100	TAGEOS EOS-410	VULCAN FOAM BACKED WRISTBAND
Typical Applications	Supply Chain Management, Apparel, & Healthcare	Laundry and Textile	Laundry and Textile	Universal	Universal	Race Timing	Jewelry Tracking	Apparel Tracking, Retail	Access Control
Impinj Tag Chip Type	Monza R6	Monza 5	Monza 5	Monza R6	Monza R6	Monza R6	Monza R6-P	Monza R6	Monza R6
Memory	EPC 96 bits	EPC 128 bits, User 32 bits	EPC 128 bits, User 32 bits	EPC 96 bits	EPC 96 bits	EPC 96 bits	EPC Up to 128 bits, User Up to 64 bits	EPC 96 bits	EPC 96 bits
Frequency	Global (860-960 MHz)	Global (860-960 MHz)	Global (860-960 MHz)	Global (860-960 MHz)	Global (860-960 MHz)	Global (860-960 MHz)	Global (860-960 MHz)	Global (860-960 MHz)	Global (860-960 MHz)
Material Compatibility	Plastic, Glass	Textiles, Linens	Textiles, Linens	Plastic, Cardboard, Glass	Paper, Cardboard, Glass, Plastic	Paper, Cardboard, Glass, Plastic, Human Body	Cardboard, Plastic, Glass	Cardboard, Glass, Plastic	Human Body
Read Range (m)	Up to 3.05 m	Up to 3 m	Up to 10 cm	Up to 6.1 m	Up to 4.06 m	Up to 4.06 m	Up to 20 cm	Less than 10 m	Up to 8 m
Tag Form Factor	Wet Inlay	Soft Tag	Hard Tag	Wet Inlay	Wet Inlay	Wet Inlay Foam	Paper Tag	Paper Hang Tag	Inlay Wristband
Size (mm/inches)	41.1 x 16 mm (1.63 x 0.63 in)	20 x 60 mm (0.78 x 2.36 in)	7 x 7 x 1.4 mm (0.27 x 0.27 x 0.05 in)	97 x 27 mm (3.82 x 1.06 in)	97 x 15 mm (3.82 x 0.59 in)	101 x 23.4 x 4 mm (3.98 x 0.92 x 0.16 in)	100 x 26 mm (3.94 x 1.02 in)	82 x 38 mm (3.23 x 1.50 in)	279.4 x 34.9 mm (11 x 1.375 in)
Weight (g)	Less than 1 g	Less than 1 g	Less than 1 g	Less than 1 g	Less than 1 g	1 g	Less than 0.7 g	Less than 1.125 g	3.025 g
Temperature Rating (C°/F°)	-40° to +85°C (-40° to +185°F)	Up to 220°C (428°F)	Up to 200°C (392°F)	-40° to +85°C (-40° to +185°F)	-40° to +85°C (-40° to +185°F)	-40° to +85°C (-40° to +185°F)	-40°C to +85°C (-40°F to +185°F)	-40°C to +85°C (-40°F to +185°F)	-40° to +85°C (-40° to +185°F)
Attachment Method	Adhesive	Sewn, Heatsealed	Sewn, Heatsealed, Injection Molding	Acrylic Adhesive	Acrylic Adhesive	Acrylic Adhesive	Acrylic Adhesive	Hanging	Permanent Adhesive





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Product Name	CONFIDEX CARRIER TOUGH SLIM	CONFIDEX IRONSIDE	CONFIDEX IRONSIDE SLIM	CONFIDEX SILVERLINE CLASSIC™	CONFIDEX STEELWAVE MICRO	CONFIDEX SILVERLINE SLIM	OMNI-ID EXO 750	OMNI-ID IQ 600 ON-METAL
Typical Applications	Returnable Transit Items	Asset Management	Asset Management, Logistics	Logistics, Asset Tracking, Healthcare, Manufacturing	IT Asset Management	Manufacturing, Automotive, Logistics, Healthcare	Returnable Transit Items, Logistics, Manufacturing	Returnable Transit Items, Manufacturing, Oil and Gas
Impinj Tag Chip Type	Monza 4QT	Monza 4QT	Monza 4QT	Monza 4QT	Monza 4QT	Monza 4QT	Monza 4QT	Monza R6
Memory	EPC 128 bits, User 512 bits	EPC 128 bits, User 512 bits	EPC 128 bits, User 512 bits	EPC 128 bits, User 512 bits	EPC 128 bits, User 512 bits	EPC 128 bits, User 512 bits	EPC 96 bits, User 512 bits	EPC 96 bits
Frequency	Global (865-928 MHz)	Global (860-960 MHz)	Global (860-960 MHz)	FCC (902-928 MHz)	Global (865-928 MHz)	FCC (902-928 MHz)	Global (860-930 MHz)	FCC (902-928 MHz)
Material Compatibility	Non-Metallic Surfaces	Ideal on Metal, All Surfaces	Ideal on Metal, All Surfaces	All Surfaces	Ideal on Metal, All Surfaces	All Surfaces	Optimized for Metal	All Surfaces
Read Range (m)	Up to 12 m	Up to 7 m	Up to 7.92 m on Metal	Up to 5 m on Metal	Up to 3.3 m on Metal	Up to 4 m on Metal	Up to 11 m on Metal	Up to 6 m
Tag Form Factor	Label Encased Hard Tag	Hard Tag	Hard Tag	Hard Tag	Hard Tag	Label Tag	Hard Tag	Label Tag
Size (mm/inches)	133 x 18 x 2 mm (4.80 x 0.71 x 0.08 in)	51.5 x 47.5 x 10 mm (2.03 x 1.87 x 0.39 in)	84 x 21 x 10 mm (3.3 x 0.83 x 0.39 in)	100 x 40 x 0.8 mm (3.94 x 1.57 x 0.03 in)	38 x 13 x 3 mm (1.5 x 0.5 x 0.12 in)	110 x 13 x 0.8 mm (4.33 x 0.51 x 0.03 in)	51 x 48 x 12.6 mm (2.01 x 1.9 x 0.50 in)	100 x 24 x 1 mm (3.94 x 0.98 x 0.039 in)
Weight (g)	1 g	22 g	15 g	2 g	2 g	1 g	25.6 g	2 g
Temperature Rating (C°/F°)	-35° to +85°C (-31° to +185°F)	-40° to +85°C (-40° to +185°F)	-35° to +85°C (-31° to +185°F)	-35° to +85°C (-31° to +185°F)	-20° to +85°C (-4° to +185°F)	-35° to +85°C (-31° to +185°F)	-40° to +85°C (-40° to +185°F)	-20 to +85°C (-4 to +185°F)
Attachment Method	Screws, Rivets, Adhesive	Acrylic Adhesive, Screws, Pop Rivets, Welding	Acrylic Adhesive, Polyurethane, Epoxy	High Performance Acrylic Adhesive	Acrylic Adhesive	High Performance Acrylic Adhesive	Film and Foam Adhesive	High Performance Acrylic Adhesive