



IQ Range – Labels

FEATURED COMPARISON GUIDE

Product Name		 IQ 150	 IQ 350	 IQ 400P	 ■ HIGH TEMPERATURE IQ 400P HT	 IQ 600	 IQ 800P	 ■ HIGH TEMPERATURE IQ 800P HT	
Typical Applications		IT, office, hospital asset tracking Weapons, pipes, road signs Warehouse management	IT and office asset tracking Logistics with metallic packaging Intermodal logistics	Plastic facias's on IT equipment Identification of IT & office hardware	Manufacturing Automotive paint processes Electronics	Logistics & packaging, Pipe manufacturing & recertification IT, Office, & Hospital tracking	Plastic RTI's and containers Plastic pallets	Manufacturing Automotive paint processes Electronics	
RF Specifications	Frequency Range (MHz)	902-928 (US) 866-868 (EU)	902-928 (US) 866-868 (EU)	860-960 (GS)	860-960 (GS)	902-928 (US) 866-868 (EU)	860-960 (GS)	860-960 (GS)	
	Read Range (m) - Fixed reader	Up to 1.6	Up to 3.5	Up to 5.0	Up to 4.0	Up to 6.0	Up to 10.0	Up to 8.0	
	Read Range (m) - Handheld reader	Up to 1.0	Up to 2.0	Up to 2.5	Up to 2.0	Up to 3.0	Up to 5.0	Up to 5.0	
	Material Compatibility	Optimized for all materials	Optimized for all materials	Plastic & non-metal substrates	Plastic & non-metallic substrates	Optimized for all materials	Plastic & non-metallic substrates	Plastic & on-metallic substrates	
	IC Type	Impinj Monza R6-P	Impinj Monza R6-P	Alien Higgs 3	Alien Higgs 3	Impinj Monza R6-P	Alien Higgs 3	Alien Higgs 3	
Physical and Environmental Specifications	Encasement / Material	Synthetic label	Synthetic label	Synthetic label	Synthetic label	Synthetic label	Synthetic label	Synthetic label	
	Size (mm)	55.0 × 12.5 × 1.20	50.0 × 12.5 × 1.30	46.5 × 12.4 × 0.24	50.0 × 30.0 × 0.49	96.0 × 24.0 × 1.30	95.0 × 21.0 × 0.24	85.0 × 55.0 × 0.49	
	Weight (g)	0.44	0.50	0.15	0.51	1.50	0.50	1.50	
	Operating Temperature (°C) Max Temperature Exposure (°C)	-40 to +85 -40 to +85	-40 to +85 -40 to +85	-40 to +85 -40 to +85	-40 to +85 -40 to +230	-40 to +85 -40 to +85	-40 to +85 -40 to +85	-40 to +85 -40 to +85	-40 to +85 -40 to +230
	Ingress Protection	IP68	IP68	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	MIL STD 810-G	MIL STD 810-G	
	Attachment	Self Adhesive (std)	Self Adhesive (std)	Self Adhesive (std)	Holes provided for mechanical attachment	Self Adhesive (std)	Self Adhesive (std))	Holes provided for mechanical attachment	
	Order Codes†	125 – US, EU	158 – EU, US	055 – GS	166 – GS	133 – US, EU	056 – GS	165 – GS	

†Order option codes are listed on the datasheets.

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

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