






IQ Range – Labels

FEATURED COMPARISON GUIDE

Product Name		 IQ 150	 IQ 350	 IQ 400P	 IQ 600	 IQ 800P
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	Logistics- metal produce & packaging Pipe manufacturing & recertification IT, Office, & Hospital tracking	Plastic RTI's and containers Plastic pallets
RF Specifications	Frequency Range (MHz)	902-928 (US) 866-868 (EU)	902-928 (US) 866-868 (EU)	860-960 (GS)	902-928 (US) 866-868 (EU)	860-960 (GS)
	Read Range (m) - Fixed reader	Up to 1.6	Up to 3.5	Up to 5.0	Up to 6.0	Up to 10.0
	Read Range (m) - Handheld reader	Up to 1.0	Up to 2.0	Up to 2.5	Up to 3.0	Up to 5.0
	Material Compatibility	Optimized for all materials	Optimized for all materials	Plastic and non-metal substrates	Optimized for all materials	Plastic and non-metallic substrates
	IC Type	Impinj Monza R6-P	Impinj Monza R6-P	Alien Higgs 3	Impinj Monza R6-P	Alien Higgs 3
Physical and Environmental Specifications	Encasement / Material	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	96.0 × 24.0 × 1.30	95.0 × 21.0 × 0.24
	Weight (g)	0.44	0.50	0.15	1.50	0.65
	Operating Temperature (°C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 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	Self Adhesive (std)	Self Adhesive (std)	Self Adhesive (std)	Self Adhesive (std)	Self Adhesive (std)
Order Codes†	125 – US, EU	158 – EU, US	055 – GS	133 – US, EU	056 – GS	

†Order option codes are listed on the datasheets.

Fit Range – Small for Integration, High Temperature

FEATURED COMPARISON GUIDE

Product Name		 ■ HIGH TEMPERATURE Fit 210	 ■ HIGH TEMPERATURE Fit 220	 ■ HIGH TEMPERATURE Fit 400
Typical Applications		Hand Tool tracking Paint processes in automotive IT assets at point of manufacture Healthcare - sterilization	Small metal tools IT assets Healthcare instruments	Tool tracking including metal hand tools Metal IT assets Autoclaves & high temperature sterilizations
RF Specifications	Frequency Range (MHz)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)
	Fixed reader Read Range (m) Handheld reader Read Range (m)	Up to 2.0 Up to 1.0	Up to 2.2 Up to 1.4	Up to 4.0 Up to 2.0
	Material Compatibility	Optimized for Metal	Optimized for Metal	Optimized for Metal
	IC Type	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
Physical and Environmental Specifications	Finish	Red PCB	Ceramic - Painted Black	Ceramic -Painted Black
	Size (mm)	57.1 x 5.95 x 1.3	7.80 x 6.80 x 2.70 (includes IC bump)	13.10 x 7.80 x 3.10 (includes IC bump)
	Weight (g)	1.00	0.60	1.50
	Operation Temperature (°C) ¹ Max Temperature Exposure (°C) ¹	-20 to +85 -20 to +225	-20 to +85 -20 to +235	-20 to +85 -20 to +235
	Ingress Protection	IP68	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
	Attachment	Film adhesive (standard) [For placement only in applications exceeding +85°C]	Film adhesive (standard) [For placement only in applications exceeding +85°C]	Film adhesive (standard) [For placement only in applications exceeding +85°C]
Order Codes [†]	123 - EU, US	155 - EU, US	124 - EU, US	

¹ Excludes adhesive options, consult adhesive datasheets for recommended temperature ratings. Maximum constant exposure for Fit 220 & 400 = 700 hours and 12 hours for Fit 210.

[†] Order option codes are listed on the datasheets.

Flex Range – Flexible to fit many applications

FEATURED COMPARISON GUIDE

Product Name		 Flex 600	 Flex 800 ■ GLOBAL	 Flex 1200	 Flex 1600
Typical Applications		Office Equipment Light outdoor use Returnable Transit Items Ideal for portal setups	Lower cost RTI replacement for the Exo 800 where durability is not needed Ideal for Portal setups	Office Equipment Light outdoor use Returnable Transit Items Ideal for Portal setups	Office Equipment Light outdoor use Returnable Transit Items
RF Specifications	Frequency Range (MHz)	902–928 (US) 866–868 (EU)	860–930 (GS)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)
	Fixed reader Read Range (m)	Up to 6.0 ¹ on metal, 3.0m off metal	Up to 8.0m on metal, 6.0m off metal	Up to 12.0m on metal, 8.0m off metal	Up to 16.0m on metal, 8.0m off metal
	Handheld reader Read Range (m)	Up to 3.0m on metal, 1.5m off metal	Up to 4.0m on metal, 3.0m off metal	Up to 6.0m on metal, 4.0m off metal	Up to 8.0m on metal, 4.0m off metal
	Material Compatibility	Metal & non-metallic substrates	Metal & non-metallic substrates	Optimized for Metal	Optimized for Metal
	IC Type	Monza R6-P	Monza 4QT	Monza R6-P	Monza R6-P
Physical and Environmental Specifications	Coverstock	White synthetic label with transparent over laminate	ABS with white synthetic label	White synthetic label with transparent over laminate	White synthetic label with transparent over laminate
	Size (mm)	55.8 x 20.0 x 2.50	95.0 x 23.0 x 8.00	75.0 x 25.0 x 2.50	95.0 x 25.0 x 3.80
	Weight (g)	0.85	13.0	1.66	2.70
	Operating Temperature (°C) ¹	-40 to +85	-40 to +85	-40 to +85	-40 to +85
	Ingress Protection	IP68	IP65	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
	Attachment	Film adhesive (std)	Mechanical (standard) Premium foam (option)	Film adhesive (std)	Film adhesive (std)
Order Codes [†]	149 - US, EU	150 - GS	160 - US, EU	151 - US, EU	









¹ Read range up to 9.0m at 45° when used in portal applications.

² Excludes adhesive options, consult adhesive datasheets for recommended temperature ratings.

[†] Order option codes are listed on the datasheets.

Exo Range – Encased and Heavy-Duty

FEATURED COMPARISON GUIDE

Product Name		 HIGH TEMPERATURE	 GLOBAL	 GLOBAL	 GLOBAL	 GLOBAL	 GLOBAL	 GLOBAL	 GLOBAL
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	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)	902-928 (US) 866-868 (EU)	860-930 (GS)	860-930 (GS)	860-930 (GS)	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	Up to 10.0 Up to 8.0	Up to 20.0 Up to 9.0	Up to 33.0 Up to 20.0
	Material Compatibility	Optimized for Metal	Optimized for Metal	Optimized for Metal	Optimized for Metal	Optimized for Plastic	Optimized for Metal	Optimized for Metal	Optimized for Metal
	IC Type	Alien Higgs 3	Impinj Monza 4QT	Impinj Monza 4QT	Impinj Monza 4QT	Alien Higgs 3	Impinj Monza 4QT	Impinj Monza 4QT	Impinj Monza 4QT
Physical and Environmental Specifications	Encasement ²	Thermoplastic	ABS Rigid Plastic	ABS Rigid Plastic	ABS Rigid Plastic	ABS Rigid Plastic	ABS Rigid Plastic	PC ABS blend	PC ABS blend
	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	110 × 25.0 × 12.7	139 × 53.0 × 14.9	174 × 70.0 × 17.7
	Weight (g)	5.7	12.5	25.6	26.8	11.6	18.3	64.0	110
	Operation Temperature (°C) Max Temperature Exposure (°C)	-20 to +85 -20 to +235	-40 to +85 -40 to +85	-40 to +85 -40 to +85	-40 to +85 -40 to +85	-20 to +85 -20 to +85	-40 to +85 ¹ -40 to +85 ¹	-40 to +85 -40 to +100	-40 to +85 -40 to +100
	Ingress Protection	IP68	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	MIL STD 810-G
	Attachment	Mechanical (std) 2 × Ø3mm holes	Mechanical (std.) Premium foam adhesive (option)	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)	Mechanical (standard) Premium foam adhesive (option)	Mechanical (standard) Premium foam adhesive (option)
Order Codes [†]	144 – EU, US	061 – GS	078 – GS	077 – GS	104 – GS	162 – GS	152 – GS	153 – 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

View Range – Display Tags

FEATURED COMPARISON GUIDE

Product Name	 View 3	 View 4
Typical Applications	Manufacturing: Replenishment, Work instructions & Container management Health Care: Equipment Tracking and Directional labeling IT: Asset Tracking and status Logistics: Container Management, Sortation/Postal, Warehousing/Yard Management, Food Supply Chain	Manufacturing: Replenishment, Work instructions & Container management Health Care: Equipment Tracking and Directional labeling IT: Asset Tracking and status Logistics: Container Management, Sortation/Postal, Warehousing/Yard Management, Food Supply Chain
Screen	Electrophoretic e-paper display Full graphic (black & white), 120° viewing angle (in sunlight)	Electrophoretic e-paper display Full graphic (black & white), 120° viewing angle (in sunlight)
Size (mm) (in)	146.5 × 50 × 14.1 5.77 × 1.97 × 0.56	148.5 × 102.5 × 13.9 5.85 × 4.04 × 0.55
Diagonal Viewable Area (in)	2.9	4.2
User Memory	16 image pages	16 image pages
Battery life ¹	Up to 4 yrs	Up to 4 yrs
Passive Read Range: ² Passive Write Range	Up to 5m on and off metal Up to 3m on and off metal	Up to 5m on and off metal Up to 3m on and off metal
Active Read & Write Range	80m on metal 100m off metal	80m on metal 100m off metal
IC Type (chip)	MonzaX-2K	MonzaX-2K
Ingress Protection ³	IP65	IP65
Operating Temperature (°C)	0 to +40 °C	0 to +40°C
Attachment	Adhesive, Bracket, or Zip tie	Adhesive, Bracket, or Zip tie
Order Codes ⁴	OMNI-V3-G2-ACCY (US, EU) OMNI-V3-G2-ACCY-SB (US,EU)	OMNI-V4-G2-ACCY (Global) OMNI-V4-G2-ACCY-SB (Global)

¹ Actual battery life could be greater depending on configuration and use.

² Indoor installation typical power settings shown. Optimal environments can significantly enhance performance.

³ Rating does not apply with blue silicone buttons

⁴ Order Option Codes are listed on the datasheets

Power Range – Active tags

FEATURED COMPARISON GUIDE

Product Name		 Power 60/65	 Power 100/115	 Power 400/415
Typical Applications		Oil & Gas platforms Construction sites Manufacturing facilities Personnel management	IT Data centers Manufacturing facilities Warehouse management	Manufacturing: Mobile carts, containers and trolleys Logistics: Lay down yards, vehicles and docks Construction: Staging and materials tagging
RF Specifications	Data Communication	Active 433.92	Active 433.92	Active 433.92 Passive 860 – 930
	Typical Active Read Range (m) ¹	Up to 100m	Up to 150m	Up to 400m
	Battery Life ²	Up to 5 years	Up to 5 years	Up to 5 years
	Protocol	Power 60 - Omni-ID Proprietary Power 65 - IEEE 802.15.4f	Power 100 - Omni-ID Proprietary Power 115 - IEEE 802.15.4f	Power 400 - Omni-ID Proprietary Power 415 - IEEE 802.15.4f
Physical and Environmental Specifications	Construction	Glass-filled Polycarbonate	Black PCB / ABS blend	Polycarbonate Interior with overmolded TPE
	Size (mm)	95.5 × 63.9 × 10.0	58.5 × 34.8 × 14.0	120 × 36.0 × 30.0
	Weight (g)	53.0	29.0	92.0
	Operating Temperature	-20°C to +45°C	0°C to +40°C	-40°C to +60°C
	IP Rating	IP65	IP65	IP68 Nema PW12 (High pressure liquids immersion)
	Shock and Vibration	Shock: 20 G's/9ms Vibration: Sinusoidal 3G 50-500 Hz, Random 4G 50-500 Hz 4' drop to concrete	Shock: 20 G's/9ms Vibration: Sinusoidal 3G 50-500 Hz, Random 4G 50-500 Hz 4' drop to concrete	4' drop to concrete MIL-STD 810-G
	Attachment	Lanyard/clip slots for horizontal or vertical mounting Clips for ID badge attachment included	Vertical or horizontal mounting via adhesives screw or clip	Screw attachment – (2) #8 screws 5mm (0.2") Cable tie slots each end
Order Codes [†]	OMNI-P60 - Omni-ID proprietary protocol OMNI-P65 - IEEE 802.15.4f protocol	OMNI-P100 - Omni-ID proprietary protocol OMNI-P115 - IEEE 802.15.4f protocol	OMNI-P400 - Omni-ID proprietary protocol OMNI-P415 - IEEE 802.15.4f protocol OMNI-P400-X, OMNI-P415-X (ATEX/IECEx Certification)	

¹ Read Distance can vary based on site characteristics, base station antenna type, height distance and tag configuration.

² Actual battery life could be greater depending on configuration and use.

[†] Order Option Codes are listed on the datasheets.