IQ Range – Labels

Featured Comparison Guide

Omni-ID
Intelligent Tracking & Monitoring Devices

Product Name		IQ 150	IQ 300	IQ 350	IQ 400P
Typical Applications		IT, office, hospital asset tracking Weapons, pipes, road signs Warehouse management	IT, office, hospital & laboratory asset tracking Logistics involving metallic packaging Intermodal logistics	IT and office asset tracking Logistics with metallic packaging Intermodal logistics	Plastic facias's on IT equipment Identification of IT & office hardware
RF Specifications	Frequency Range (MHz)	902-928 (US) 866-868 (EU)	866 – 868 MHz (EU) 902 – 928 MHz (US)	902-928 (US) 866-868 (EU)	860-960 (GS)
	Read Range (m) Fixed reader Handheld reader	Up to 1.6 Up to 1.0	Up to 3.9m	Up to 3.5 Up to 2.0	Up to 5.0 Up to 2.5
	Material Compatibility	Optimized for all materials	Optimized for metal	Optimized for all materials	Plastic & non-metallic substrates
	IC Type	Impinj Monza R6-P	Impinj-M730	Impinj Monza R6-P	Alien Higgs 3
Physical and Environmental Specifications	Encasement / Material	Synthetic label	Premium Synthetic Label	Synthetic label	Synthetic label
	Size (mm)	55.0 × 12.5 × 1.20	65.0 x 6.0 x 1.31	50.0 × 12.5 × 1.30	46.5 × 12.4 × 0.24
	Weight (g)	0.44	0.27	0.50	0.15
	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 +85
	Ingress Protection	IP68	IP68	IP68	IP68
	Shock and Vibration	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)
	Order Codes†	125 – US, EU	125 – US, EU	158 – EU, US	055 – GS

† 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

©2020 Omni-ID. All rights reserved.

DS001206-16 I 042019

IQ Range – Labels

Featured Comparison Guide

Omni-ID®
Intelligent Tracking & Monitoring Devices

		High Temperature			High Temperature
Product Name		**IQ 400P HT**	**IQ 600**	**IQ 800P**	**IQ 800P HT**
Typical Applications		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)**	860–960 (GS)	902-928 (US) 866-868 (EU)	860–960 (GS)	860–960 (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 10.0 Up to 5.0	 Up to 8.0 Up to 5.0
	Material Compatibility	Plastic & non-metallic substrates	Optimized for all materials	Plastic & non-metallic substrates	Plastic & on-metallic substrates
	IC Type	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
	Size (mm)	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)	0.51	1.50	0.50	1.50
	Operating Temperature (°C) **Max Temperature Exposure (°C)**	-40 to +85 -40 to +230	-40 to +85 -40 to +85	-40 to +85 -40 to +85	-40 to +85 -40 to +230
	Ingress Protection	IP68	IP68	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
	Attachment	Holes provided for mechanical attachment	Self Adhesive (std)	Self Adhesive (std)	Holes provided for mechanical attachment
	Order Codes†	166 – GS	133 – US, EU	056 – GS	165 – GS

† 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

©2020 Omni-ID. All rights reserved.

DS001206-16 I 042019

Fit Range – Small for Integration, High Temperature

Featured Comparison Guide

Omni-ID®
Intelligent Tracking & Monitoring Devices

		High Temperature	High Temperature	High Temperature
Product Name		**Fit 210HT**	**Fit 220HT**	**Fit 400HT**
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)
	Read Range (m) **Fixed reader** **Handheld reader**	 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
	Operating 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.

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

©2020 Omni-ID. All rights reserved.

Flex Range – Flexible to Fit Many Applications

Omni-ID®
Intelligent Tracking & Monitoring Devices

Featured Comparison Guide

		Flex 600	Flex 600 Shell	Flex 600 Shell+
Typical Applications		Office Equipment Light outdoor use Ideal for portal setups	Office Equipment Light outdoor use Ideal for Portal setups	Office Equipment Light outdoor use Ideal for Portal setups
RF Specifications	**Frequency Range (MHz)**	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)
	Read Range (m) **Fixed reader** **Handheld reader**	Up to 4.4m[1] (US) & 3.2m (EU) on metal Up to 1.9m (US) & 2.0m (EU) on metal	Up to 1.4m[1] (US) & 1.5m (EU) on metal Up to 0.5m (US) & 0.9m (EU) on metal	Up to 1.7m[1] (US) & 1.0m (EU) on metal Up to 0.6m (US) & 0.9m (EU) on metal
	Material Compatibility	Metal & non-metallic substrates	Optimized for Metal	Optimized for Metal
	IC Type	Monza R6-P	Monza R6-P	Monza R6-P
Physical and Environmental Specifications	**Coverstock**	White synthetic label with transparent over laminate	White synthetic label in encasing	White synthetic label in encasing
	Size (mm)	50.0 x 12.5 x 3.8	86.0 x 20.0 x 6.75	86.0 x 20.0 x 7.3
	Weight (g)	0.85	7.12	US 9.06 EU 9.08
	Operating Temperature (°C)[1]	-40 to +85	-40 to +65	-40 to +65
	Ingress Protection	IP68	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
	Attachment	Film adhesive (std)	Foam adhesive (STD)	Mechanical (STD), film option (Option), foam (Option)
	Order Codes[†]	149 - US, EU	160 - US, EU	160 - US, EU

[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.

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

©2021 Omni-ID. All rights reserved.

DS001207-11 I 042019

Flex Range – Flexible to Fit Many Applications

Omni-ID®
Intelligent Tracking & Monitoring Devices

Featured Comparison Guide

		Flex 1000	Flex 1000 Shell	Flex 1000 Shell+
Product Name				
Typical Applications		Office Equipment Light outdoor use Portals & Returnable Transit Items (RTI)	Office Equipment Light outdoor use Portals & Returnable Transit Items (RTI)	Office Equipment Light outdoor use Portals & Returnable Transit Items (RTI)
RF Specifications	**Frequency Range (MHz)**	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)
	Read Range (m) **Fixed reader** **Handheld reader**	Up to 1.2m[1] (US) & 1.6m (EU) on metal Up to 0.6m (US) & 0.8m (EU) on metal	Up to 1.3m[1] (US) & 1.4m (EU) on metal Up to 0.8m (US) & 0.7m (EU) on metal	Up to 1.2m[1] (US) & 1.8m (EU) on metal Up to 0.8m (US) & 1.0m (EU) on metal
	Material Compatibility	Metal & non-metallic substrates	Optimized for Metal	Optimized for Metal
	IC Type	U-Code8	U-Code8	U-Code8
Physical and Environmental Specifications	**Coverstock**	White synthetic label with transparent over laminate	White synthetic label encased	White synthetic label encased
	Size (mm)	45.0 x 20.0 x 3.8	89.0 x 28.0 x 7.75	89.0 x 28.0 x 8.3
	Weight (g)	0.85	US 9.33 EU 9.40	US 11.98 EU 12.05
	Operating Temperature (°C)[1]	-40 to +85	-40 to +65	-40 to +65
	Ingress Protection	IP68	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
	Attachment	Film adhesive (std)	Foam adhesive (std)	Mechanical (STD), film (option), foam (option)
	Order Codes[†]	149 - US, EU	160 - US, EU	160 - US, EU

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.

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

©2021 Omni-ID. All rights reserved.

DS001207-11 I 042019

Flex Range – Flexible to Fit Many Applications

Omni-ID®
Intelligent Tracking & Monitoring Devices

Featured Comparison Guide

		Flex 1200	Flex 1200 Shell	Flex 1200 Shell+
Product Name				
Typical Applications		Office Equipment Light outdoor use Portals & Returnable Transit Items (RTI)	Office Equipment Light outdoor use Portals & Returnable Transit Items (RTI)	Office Equipment Light outdoor use Portals & Returnable Transit Items (RTI)
RF Specifications	**Frequency Range (MHz)**	866 – 928 (GS)	866 – 928 (GS)	866 – 928 (GS)
	Read Range (m) **Fixed reader** **Handheld reader**	Up to 5.9m[1] (GS) on metal Up to 3.6m (GS) on metal	Up to 6.3m[1] (GS) on metal Up to 3.0m (GS) on metal	Up to 6.3m[1] (GS) on metal Up to 3.7m (GS) on metal
	Material Compatibility	Optimized for Metal	Optimized for Metal	Optimized for Metal
	IC Type	U-Code8	U-Code8	U-Code8
Physical and Environmental Specifications	**Coverstock**	White synthetic label with transparent over laminate	White synthetic label with transparent over laminate	White synthetic label encased
	Size (mm)	75.0 x 25.0 x 2.50	123.0 x 33.0 x 6.25	123.0 x 33.0 x 6.8
	Weight (g)	1.66	14.5	20.08
	Operating Temperature (°C)[1]	-40 to +85	-40 to +85	-40 to +85
	Ingress Protection	IP68	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
	Attachment	Film adhesive (std)	Foam adhesive (std)	Mechanical (STD), film (option), Foam (option)
	Order Codes[†]	160 - US, EU	160 - US, EU	160 - US, EU

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.

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

©2021 Omni-ID. All rights reserved.

DS001207-11 I 042019

Exo Range – Encased and Heavy-Duty

Featured Comparison Guide

Omni-ID®
Intelligent Tracking & Monitoring Devices

		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) **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
	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

©2020 Omni-ID. All rights reserved.

DS001208-13 I 062019

Exo Range – Encased and Heavy-Duty

Featured Comparison Guide

Omni-ID®
Intelligent Tracking & Monitoring Devices

Global

Exo 1000

Global

Exo 2000

Global

Exo 3000

		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** **Handheld reader**	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
	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) **Max Temperature Exposure (°C)**	–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
	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†	144 – EU, US	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

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

©2020 Omni-ID. All rights reserved.

Sense IoT Range – Intelligent, Powerful IoT Devices

Omni-ID®
Intelligent Tracking & Monitoring Devices

		RFID	Bluetooth	Quuppa Coming Soon	LoRaWAN	LoRaWAN	LoRaWAN	Quuppa	Quuppa
Product Name		**Sense^{IoT} Fit 400**	**Sense^{IoT} Asset**	**Sense^{IoT} Asset**	**Sense^{IoT} Asset XL**	**Sense^{IoT} Condition (with Alert Button)**	**Sense^{IoT} Condition (with Laser Range Finder)**	**Sense^{IoT} Shield**	**Sense^{IoT} Lite**
Typical Applications		Efficient operation, equipment monitoring in-house or in transit, data centers and metal IT assets – both in terms of tracking and temperature monitoring, embedding the tag into metal components, monitoring mechanical plants	Hospitals, manufacturing facilities, warehouse management, cold chain condition monitoring, container management, facilities management, ports construction & mining, asset management	Hospitals, manufacturing facilities, warehouse management, container management, facilities management, ports construction and mining, asset management, yard management	Container management, facilities management, ports construction & mining, field operations, asset management, worker accountability, fleet monitoring, yard management	Facilities management, production line, material flow, consumable replenishment, room utilisation, state change notification, space/asset utilisation, worker accountability	Facilities management, production line material flow, consumable replenishment, room utilisation, space/asset utilisation, bin/tank fill level monitoring, car park utilisation monitoring	Contact tracing, personnel tracking and social distancing applications across large sites, facilities and sports arena/stadia	Asset tracking, personnel tracking, real time location
Operational Specifications	**Radio Protocol**	EPC Class 1 Gen2v2	Bluetooth 4.2 (2.45GHz) +8dBm to –15dBm NFC (Beacon configured via NFC)	Bluetooth 5.0 (QUUPPA proprietary channels or BLE advertising channels), +6dBm to -24dBm	LoRaWAN NFC (beacon configured via NFC)	LoRaWAN NFC (beacon configured via NFC)	LoRaWAN NFC (beacon configured via NFC)	Bluetooth 5.0 (Quuppa proprietary channels and BLE advertising channels), +6dBm to -24dBm NFC (buzzer volume level configured via NFC)	Bluetooth 5.0 (Quuppa proprietary channels and BLE advertising channels), +6dBm to -24dBm
	Frequency Range	866-868 (EU) I 902-928 (US)	2.4GHz	2.4GHz	868MHz (EU) I 915MHz (US	868MHz (EU) I 915MHz (US)	868MHz (EU) I 915MHz (US)	2.4GHz	2.4GHz
	Battery Type	N/A	Sealed Prismatic battery, non-replaceable	Sealed prismatic battery, non-replaceable	Sealed Prismatic battery, non-replaceable	Sealed prismatic battery, non-replaceable	Sealed prismatic battery, non-replaceable	Replaceable CR2032	Replaceable CR2032
	Battery Capacity	N/A	1.2Ah	1.2Ah	3.2Ah	3.2Ah	3.2Ah	225mAh	225mAh
	Battery Life	N/A	Up to 5 years, 5% motion, 10 second beacon rate Tx power set to +8dBm	Up to 5 years, Device moving 10 hours/day (1Hz beacon rate) Device stationary 14 hours/day (0.1Hz beacon rate). TX power set to 0dBm	Up to 3 years, DBR set to 24h, 1 movement per day, DOP = 3 (GPS accuracy 7meters)	Up to 5 years , DBR set to 24h, set to 25,000 activations	UP to 5 years, 96 measurements per day, DBR set to 24h in alert 50% of the time	Up to 6 months under following conditions - (device moving 10 hours/day (3Hz beacon rate). Device stationary 14 hours/day (0.1 Hz beacon rate). Tx power set to 0dBm, enters alert mode 20 times per day with buzzer & LED activation for 20 seconds at each alert (blink slow)	1 year under following conditions - (device moving 10 hours/day (1Hz beacon rate), device stationary 14 hours/day (0.1Hz beacon rate), Tx power set to 0dBm
	Read Range	Fixed reader: Up to 4 m (13.1 ft) Handheld reader: Up to 2 m (6.6 ft)	200 m+ depending on reading device	Up to 200m+ depending On Quuppa locator type used	Range 3–4 km urban — can be up to 15 km line of sight	Range 3–4 km urban — can be up to 15 km line of sight	Range 3–4 km urban — can be up to 15 km line of sight	Up to 200m+ depending on Quuppa locator type	Up to 200m+ depending on Quuppa locator type
	Default Beacon Rate	N/A	Configurable from 1–10 seconds	Configurable	Configurable from 1–254 hours	Configurable from 1–254 hours	Configurable from 1–254 hours	Configurable	Configurable
	Alarm Beacon Rate	N/A	Configurable from 0–10 seconds (where 0 is off)	N/A	Configurable from 0–254 minutes (where 0 is off)	Configurable from 0–254 minutes (where 0 is off)	N/A	N/A	N/A
	Sensor Period	N/A	N/A	N/A	N/A	N/A	Configurable from 0–254 minutes (where 0 is off)	N/A	N/A
	Sensors	Temperature	Accelerometer, temperature	Accelerometer (movement), button, LED	GPS (Location) accelerometer temperature	Push button (alert) optional: accelerometer temperature	Laser range finder optional: accelerometer temperature	Button, accelerometer	Button, accelerometer
	LED Indicator	No	Yes (Bi color LED)	Yes (Bi color LED)	Yes (Bi color LED)	Yes (Bi color LED)	Yes (Bi color LED)	Yes (Bi color LED)	Yes (Bi color LED)
	Temperature Sensor Range	-40°C to +85°C	–20°C to +60°C with an accuracy of +/–2°C	N/A	–20°C to +60°C with an accuracy of +/–2°C	N/A	N/A	N/A	N/A

Note: All above Values are for comparison only, Please refer to product datasheets for full specifications.

Continues overleaf

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

Please refer to product datasheets for full specifications.

©2021 Omni-ID. All rights reserved.

Sense IoT Range – Intelligent, Powerful IoT Devices

Omni-ID®
Intelligent Tracking & Monitoring Devices

Product Name	Sense^{IoT} Fit 400	Sense^{IoT} Asset	Sense^{IoT} Asset	Sense^{IoT} Asset XL	Sense^{IoT} Condition (with Alert Button)	Sense^{IoT} Condition (with Laser Range Finder)	Sense^{IoT} Shield	Sense^{IoT} Lite
Configurable	N/A	Tx power, tag type (GATT Profile), accelerometer threshold, default beacon rate, alarm beacon rate, high temp threshold, low temp threshold, sleep/awake status	Tx power, accelerometer threshold (rate & sensitivity), default beacon rate (transmit rate), Rx rate, buzzer volume	Data rate, accelerometer threshold, default beacon rate, alarm beacon rate, high temperature threshold, low temperature threshold, gnss max lock time, gnss min lock time, dop threshold, tag status (asleep/awake)	Data rate, alarm beacon rate, default beacon rate, sleep/awake status	Data rate, default beacon rate, sensor period, range type, max range, range threshold, range offset, enter alarm state (above/below), sleep/awake status	Tx power, accelerometer threshold (rate & sensitivity), default beacon rate (transmit rate), Rx rate, buzzer volume	Tx power, accelerometer threshold (rate & sensitivity), default beacon rate (transmit rate), Rx rate
Supported Profiles	N/A	BLE (Generic, iBeacon, Eddystone UUID)	Quuppa	N/A	N/A	N/A	Quuppa	Quuppa
Construction	Painted black, optimized for metal	Overmolded durable, shock resistant TPE (thermoplastic elastomer)	Overmolded durable, shock resistant TPE (thermoplastic elastomer)	Overmolded durable, shock resistant TPE (thermoplastic elastomer)	2-part durable PC/ABS case	2-part durable PC/ABS case	2-part durable PC/ABS case. Available in belt clip, lanyard or wrist strap options	2-part durable PC/ABS case. Available in Wrist strap, Belt Clip, Lanyard, adhesive or rivet attachment options
Size (mm)	13.1 x 8.05 x3.1 including IC bump Tolerance +/–0.5	95.1 × 34.2 × 21	95.1 × 34.2 × 21	113.4 × 58.3 x 24.3	80.3 × 60.3 × 21.3	102.5 × 60.3 × 20.1	Lanyard or belt clip - 50.1 x 44.5 x 13 Wrist strap – 44.5 (bezel size), strap length 115 + 75 to buckle	Wrist 35 dia x 116, rivet 35 dia x 68.4, without Mechanical Flange 44.4 x 20 x 14.2, cable Tie 74.4 x 24 x 14.2, lanyard 35 dia x 14.2
Weight (g)	1.4	59	59	134	77	80		
Attachment	Film adhesive (included) for placement only in applications exceeding +85°C2	Mechanical (std), cable tie attachment accessory (optional), magnet attachment (optional), without mechanical flange (optional)	Mechanical (std), cable tie attachment accessory (opt.), magnet attachment (opt.), without mechanical flange (optional)	Mechanical (std), cable tie attachment accessory (optional), magnet attachment (optional), without mechanical flange (optional)	Mechanical (std), without mechanical flange (optional)	Mechanical (std), without mechanical flange (optional)	Belt clip, lanyard or wrist strap options	Rivet, cable tie, lanyard, wrist strap, without mechanical flange
Operating Temperature	–40°C to +85°C	–20°C to +60°C	–20°C to +60°C	–20°C to +60°C	–20°C to +60°C	–20°C to +60°C	–20°C to +60°C	–20°C to +60°C
Temperature Alarm	Up to +125°C	N/A	N/A	Yes	N/A	N/A	N/A	N/A
Max Temperature Exposure[1]	220°C short term 168 hrs 150°C long term 700 hrs	+60°C	+60°C	+60°C	+60°C	+60°C	+60°C	+60°C
IP Rating	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	N/A	N/A
IC Type (chip)	Magnus S3: M3D / M3E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year
Certifications	CE , ROHS, ATEX Certified (Optional) C1D1/D2 Certified (optional)	CC, FCC, ROHS, WEEE, NFC, BLE	CC, FCC, ROHS, WEEE, Quuppa	CC, FCC, ROHS, WEEE	CC, FCC, ROHS, WEEE	CC, FCC, ROHS, WEEE	CC, FCC, ROHS, WEEE, Quuppa	CC, FCC, ROHS, WEEE, Quuppa

Note: All above Values are for comparison only, Please refer to product datasheets for full specifications.

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

Please refer to product datasheets for full specifications.

©2021 Omni-ID. All rights reserved.