RFID TAG COMPARISON CHART

RAIN (UHF): 860 MHz to 960 MHz

Global EPC Class-1 Generation-2 (C1 G2) UHF RFID protocol for communications. Compliant with ISO/IEC 18000-6C and other standards.

A tag for every application

HID can create a custom tag solution to fit your application requirements for chip type, dimensions, programming and materials. You can even embed multiple technologies in a single RFID tag, providing transition paths that connect legacy systems with new roll-outs.

	Discs			Specialty										
														
Product family	**Bin Tag**	**Epoxy Tag**	**Embeddable RFID**	**Adept Tag**	**FIT Ceramic Tag**	**IQ Pro Labels**		**EXO Slim Tag**				**EXO Tag**		**EXO Pro Tag**
Sub-family	UHF	UHF	MuTRAK	UHF	Ceramic UHF	800P HT	Standard	InLine Plate	Standard	Lite	Shell+	Standard	Mini	UHF
Description	Screw or embed into standard waste collection bins	Thin, rigid, surface-printable rectangle. Can withstand plastic injection molding	UHF ultra-small and robust transponders, ideal to identify small items.	High-performance RAIN RFID tags optimized for specific industrial purposes	Micro-sized transponders for tracking small metal assets like tools and medical equipment.	Impermeable, wafer-thin sheets, resistant to high heat and torsion. Shape customizable	Highly chemical resistant and thus ideal for plastic returnable transport items.	Thin, rigid container tags with large surface to accommodate laser engraving or labels	Wafer-thin UHF asset tags for pallets, containers, RTI or metallic equipment.	Low porfile RFID tags ideal for IT and RTI Asset tracking. Supplied with adhesive and protected print.	Low-profile RFID tags ideal for for assets tracking. Mount via glue, screw or rivets.	High performance, general purpose transponders. Mount via glue, screw or weld	Small, robust, general purpose transponders	Highly robust, all-purpose RAIN RFID tags mount to any surface material deliver long read ranges
Chip type	M730	M730, MR6-P	M730	Monza X, 4QT, R6-P, M730, Higgs 9	Monza R6-P Higgs 3 EM 4124	M730		Monza 4E	M730		Monza R6-P, M730	M730	Monza R6	M730, M750, MR6-P, M4QT, ICODE SLIX2
EPC | TID	128 bit | 48 bit	128 bit EPC	128 bit | 48 bit	128 bit or 96 bit | 96 bit	96 bit	128 bit		496 bit | 96 bit	128 bit | 48 bit		28/96 bit | 48 bit | 128 bit	128 bit | 48 bit	96 bit | 48 bit	128 bit | 96 bit
User memory up to		128 bit EPC		8192, 688 or 512 bit	64 bit or 512 bit			128 bit			64 bit			32 bit
Reading distance up to	39.3 ft (12 m)	20 ft (6 m)	3.9 in (10 cm)	49.5 ft (15.1 m)	32.8 ft (10m)	39.3 ft (12 m)	49.2 ft (15 m)	26 ft (8 m) off-metal or 20 ft (6 m)	49 ft (15 m)	33.8 ft (10.3m)	34.7 ft (10.6 m)	128.0 ft (39 m)	9.8 ft (3 m)	56.4 ft (17.2 m)
Other frequencies	LF, HF	LF, HF	LF, HF		HF							UHF-NFC		UHF-NFC
Dimensions Refer to datasheets for other available sizes	Ø 1.2 × 0.6 in (30 × 15 mm)	3.3 × 1.0 × 0.04 in (83 × 25 × 1 mm)	0.27 x 0.27 in (7 x 7 mm)	max. 5.4 x 1.9 x 0.2 in (136.5 × 48 × 5.5 mm)	max. 0.7 x 0.28 x 0.16 in (17.6 x 7.1 x 4.1 mm)	3.3 × 2.2 × 0.02 in (85 × 55 × 0.5 mm)	max. 3.7 × 0.8 in (95 × 21 mm)	4.7 × 2.7 × 0.2 in (120 × 68 × 4 mm)	max. 4.1 x 1.4 x 0.14 in (105 × 36 × 3.5 mm)	500 Lite : 2.95 x 1.54 x 0.11 in (75 x 39 x 2.9 mm) 800P Lite : 3.94 x 0.63 x 0.11 in (100 x 16 x 2.7 mm)	max. 4.84 x 1.29 x 0.26 in (123 x 33 x 6.8 mm)	Standard: 3.8 x 1.0 x 0.6 in (97 x 27 x 15 mm) Max : 6.8 x 2.7 x 0.7 in (174 x 70 x 17.8 mm)	2.4 x 0.7 x 0.3 in (60 x 18 x 8 mm)	max. 4.33 x 0.98 x 0.51 in (110 x 25 x 12.85 mm)
Mount on metal				Yes	Yes			Yes		500 Lite : Yes	Yes	Yes		Yes
Moisture resistance	IP67	IP68, IP69K	IP68	IP68 (IP54 for Adept 400 DATA)	IP68	IP68		IP69K	IP68			IP68, IP69K		IP68, IP69K
Food compatible														
Operating temperature	-40 to +185 F (-40 to +85 C)	-40° to +185° F (-40 to +85° C)		-4° to +185° F (-20° to +85° C)	-40° to +185° F (-40° to +85° C)	-40° to +185° F (-40 to +85° C)		-40° to +185° F (-40 to +85° C)	-4° to +185° F (-20° to +85° C)	-40° to +185° F (-40° to +85° C)	-22° to +149° F (-30° to +65° C)	-40° to +185° F (-40 to +85° C)		-40° to +185° F (-40° to +85° C)
Peak temperature to	194° F (90° C)	284° F (140° C)	392° F (200° C)	185° F (85° C)	437°F (225°C)	446° F (230° C)	392° F (200° C)	185° F (85° C)	185° F (85° C)			185° F (85° C)		
Flame resistant						Yes								
Compliant with EPC C1 G2, ISO 18000-6C and others listed	DIN 30745	ISO/IEC 18000-6C, RAIN	ISO 18000-63	MIL STD 810-G, ISO 18000-6C, ISO 17364, DIN 40050-9	ISO 18000-6C	ISO 18000-6C, RAIN		IEC 62262-IK06 ISO 17364, ISO 18000-63	MIL-STD-810 G, 1 kg Steel, 1m	MIL-STD-810 G, 1.2 m drop on concrete, ISO 18000-6C, ISO 17364	MIL-STD-810 G, 1 kg Steel, 1m	DIN 40050-9 IEC 62262-IK09 ISO 17364	DIN 40050-9 IEC 62262-IK07 ISO 17364	ISO 17364, DIN 40050-9, IEC 62262-IK08 (InLine)

HID

CE RAIN

RFID TAG COMPARISON CHART

RAIN (UHF): 860 MHz to 960 MHz

Global EPC Class-1 Generation-2 (C1 G2) UHF RFID protocol for communications. Compliant with ISO/IEC 18000-6C and other standards.

A tag for every application

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	Specialty																
																	
Product family	**IronTag®**	**ISO Card**	**EXO Keg Tag**	**LinTRAK®**	**Seal Tag vTamper**	**Seal Tag edTamper**		**SlimFlex™ Tag**	**Ear Tag**	**IQ On Metal Labels**	**IQ Labels**	**Sense Passive**			**Sentry Tag**	
Sub-family	206 206F	UHF	UHF	UHF	UHF	UHF		Standard / Mini	UHF	UHF	UHF	FIT 500 HT	IQ	Adept Slim Sense	PCB	Cable
Description	High-temperature and flame resistant tags. Enable tracking of metal assets in harsh environments	Standard ISO cards, configurable to any application requirements, including multiple frequencies	Curved to fit metal kegs and gas cylinders. Mount via welding	Sewn, hemmed or heat-sealed into linens, withstands rigors of commercial laundry cycles	Flexible units with built-in visually tamper evident cable tie	Digitally tamper evident seals report status via RFID when seal is broken		Flexible, rugged transponders deliver versatile mounting options	Reusable RAIN RFID management ear tag for cattle or industrial applications	Thin, printable self-adhesive labels for on-metal use	UHF inlays and labels in various form factors, material and chip options	Innovative range of battery-less ceramic tags, labels and hard tag for monitoring temperature and presence of moisture.			Highly configurable, PCB based RFID tags with exceptional Size-to-Performance Ratio	Specialized tag for tracking cable assemblies with optimum RFID performance
	ELECTRONIC															
Chip type	Monza X	Monza 4QT	M730, Monza R6	M850, M730	M781	EM | AURA		M781	Monza M5	M730, Monza R6-P	M730, UCODE 9	M3D		ASYGN AS3213T	Higgs 3, M750	M750
EPC | TID	128 bit | 96 bit	128 bit | 96 bit	128 or 96 bit | 96 bit	128 bit	128 bit	416 bit | 48 bit		128/96 bit EPC	128 bit	128 bit	128 bit | 96 bit	128 bit | 64 bit		192 bit | 48 bit	96 bit | 64 bit	96 bit
User memory up to	8192 bit	512 bit	512 bit	32/64 bit	512 bit	2 kbit		512 bit	N/A	64 bit		128 bit		32 bit	512 bit	32 bit
Reading distance up to	8 ft (2.5 m)	39 ft (12 m)	32.8 ft (10 m)	Up to 26 ft (8m)	20 ft (6 m)	13.1 ft (4 m)		26.2 ft (8 m)	23 ft (7 m)	49.2 ft (15 m)	59 ft (18 m)	16.4 ft (5 m)	19 ft (5.8 m)	8.2 ft (2.5 m)	33 ft. (10m)	20 ft (6 m)
Other frequencies		LF, HF	UHF-NFC		HF			HF		HF					HF	
	ELECTRONIC															
Dimensions Refer to datasheets for other available sizes	1.3 × 1.2 × 0.24 in (33.7 × 31.1 × 6.1 mm)	3.4 x 2.1 × 0.03 in (85.6 x 53.98 × 0.8 mm)	3.5 × 1.5 × 0.6 in (88 × 37 × 15 mm) 17.7 in (450 mm) curve radius	max. 2.6 × 0.7 in (67 × 17 mm)	max: 3.3 × 1.0 × 0.1 in (85 × 25 × 3 mm); cable tie 15.0 × 0.2 × 0.1 in (380 × 6 × 2 mm)	Tag: 1.73 x 0.65 x 0.14 in (44 x 16.5 x 3.7 mm) Seal wire: 3.07 in (78 mm)	Tag: 3.74 x 1.67 x 0.31 in (95 x 42.5 x 8 mm) Seal wire: 3.15 in (80 mm)	max. 4.3 x 1.0 x 0.1 in (110 x 25 x3 mm)	4.6 x 3 x 0.07 in (116 x 77 x 1.7 mm)	max. 3.7 x 0.9 x 0.05 in (96 x 24 x 1.3 mm)	max. 3.74 x 0.83 in (95 x 21 mm)	0.53 x 0.35 x 0.16 in (13.5 x 9 x 4.3 mm)	max. 4.48 x 0.94 x 0.05 in (114 x 24 x 1.3 mm)	3.27 x 0.98 x 0.25 in (83 x 25 x 6.3 mm)	max. 1.52 x 0.67 x 0.22 in (38.6 x 17 x 5.6 mm)	1.43 x 0.43 x 0.11 in (36.3 x 10.9 x 2.8 mm)
Mount on metal	Yes		Yes				Yes			Yes		Yes			Yes	
Moisture resistance	IP67, IP68	IP68	IP68	IP68	IP68			IP68	IP69K, IP68	IP68	IP67, IP68	IP68		IP67	IP68	
Food compatible	Yes															
	THERMAL															
Operating temperature	-40° to +185° F (-40 to +85° C)	-40° to +158° F (-40 to +70° C)	-40° to +185° F (-40 to +85° C)	-40° to +185° F (-40 to +85° C)	-40° to +158° F (-40 to +70° C)	-40° to +158° F (-40 to +70° C)		-40° to +158° F (-40 to +70° C)	-40° to +185° F (-40 to +85° C)	-40° to +185° F (-40 to +85° C)	-40° to +185° F (-40 to +85° C)	-40° to +257° F (-40° to +125° C)	-40° to +185° F (-40° to +85° C)	-40° to +257° F (-40° to +125° C)	-58° to 185° F (-50° to 85° C)	
Peak temperature to	428° F (220° C)	176° F (80° C)	185° F (85° C)	428°F (220°C)	158° F (70° C)	158° F (70° C)		212° F (100° C)	185°F (85°C)	185°F (85°C)	185°F (85°C)	392° F (200° C)	185° F (85° C)	257° F (125° C)	365° F (185° C)	
Flame resistant	Yes					Yes										
	ELECTRONIC															
Compliant with EPC C1 G2, ISO 18000-6C and others listed	ATA Spec 2000 DIN 40050-9 IEC 62262-IK07 GS1 EPC TDS 1.6 SAE AS5678	ISO 10373 ISO 7816-1	IEC 62262-IK08/IK07 ISO 17364	OEKO-TEX® Standard 100 Level 1, MRI Compliant	IEC 62262-IK06	UHF EPC Class 1 Gen 2, ISO 18000-6C, ATA Spec 2000 Chapter 9-5 (Version 2013), SAE AS5678 / DO-160	IEC 62262-IK06, UHF EPC Class 1 Gen 2, ISO 18000-6C	IEC 62262-IK06	IEC 62262-IK08, EPC Gen2, ISO/IEC 18000-6C	ISO 18000-6C	ISO 18000-63	MIL-STD-810 G			EC62262-IK02	ISO 18000-6C, RAIN	1 kg steel, 45 cm

2026-01-21-idt-rfid-il-frequency-uhf-tags-ct-en

PLT-02387

Part of ASSA ABLOY

RFID TAG COMPARISON CHART

RAIN (UHF): 860 MHz to 960 MHz / NFC*

Global EPC Class-1 Generation-2 (C1 G2), ISO/IEC 18000-6C, NFC and other standards. Both technologies share the same chip.

NFC / UHF Combo

RAIN / NFC combo tags extend the potential applications by combining the best of both worlds. Long-distance logistic applications in the warehouse, and simple user interaction via mobile phone at the consumer / recipient side.

A tag for every application

HID can create a custom tag solution to fit your application requirements for chip type, dimensions, programming and materials. You can even embed multiple technologies in a single RFID tag, providing transition paths that connect legacy systems with new roll-outs.

	Specialty				
					
Product family	**EXO Tag**	**EXO Keg Tag**	**EXO Pro Tag**		**IQ Labels**
Sub-family	2000 Combo	UHF / NFC	InLine Combo	750 Combo	IQ Combo 700P
Description	Ideal for seamless interoperability between UHF and HF systems, enabling versatile use across diverse RFID infrastructures	Curved to fit metal kegs and gas cylinders. Mount via welding	High performance, general purpose transponders. Mount via glue, screw or weld	Ideal for seamless interoperability between UHF and HF systems, enabling versatile use across diverse RFID infrastructures	Custom-imprintable labels to integrate digital touch points onto physical media
	ELECTRONIC				
Chip type	M730, ICODE SLIX2				EM4425
User memory up to	128 bit EPC | 96 bit TID + 2560 bit ICODE SLIX2				96 bit | 2048 bit
Reading distance	103.34 ft (31.5m)	32.8 ft (10 m)		56.4 ft (17.2 m)	23 ft (7m)
Other frequencies	UHF				HF
	PHYSICAL				
Dimensions Refer to datasheets for other available sizes	5.5 × 2.0 × 0.62 in (139.2 × 53 × 15.8 mm)	3.5 × 1.4 × 0.6 in (88 × 37 × 15 mm)	3.8 × 1.0 × 0.6 in (97 × 27 × 15 mm)	2.01 x 1.9 x 0.50 in (51 x 48 x 12.6 mm)	3.94 × 0.83 in (100 x 21 mm)
Mount on metal	Yes	Yes	Yes	Yes	
Moisture resistance	IP68		IP68, IP69K	IP68	
Food compatible					
	THERMAL				
Operating temperature	-40° to +185° F (-40° to 85° C)	-40° to +176° F (- 40 ° to + 80 °C)	-40° to +185° F (-40° to +85° C)		
Peak temperature to			185° F (85° C)		
Flame resistant					
	STANDARDS				
Compliant with ISO 18000-3 and others listed	MIL STD 810-G ISO 18000-6C ISO 15693 NFC Type 5	ISO/IEC 18000-6C ISO 18000-63 Compliant EPCglobal Gen2v2	DIN 40050-9 IEC 62262-IK09 to IK07 ISO 17364	MIL STD 810-G ISO 18000-6C, ISO 17364	ISO/IEC 14443-3 Type A, ISO/IEC 18000-63

* To be NFC Forum Tag Type compliant,tags need to be formatted with an NDEF data structure.

HID

2025-09-25-idt-rfid-il-frequency-uhf-nfc-tags-ct-en

PLT-05087

Part of ASSA ABLOY

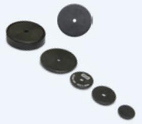
RFID TAG COMPARISON CHART

HF: 13.56 MHz / ISO 15693 / NFC*

Compliant with ISO/IEC 18000-3 and other standards.

Enhanced Security Potential with HID Trusted Tag® Services

Tags equipped with HID Trusted Tag integrated chips are uniquely programmed to enhance security and efficiency when deployed with HID Trusted Tag® Services. Our cloud-based NFC authentication platform adds unique identities to everyday objects enabling more secure, efficient transactions. Simply tap an embedded or attached HID Trusted Tag with any NFC device. Trusted Tag Services deliver a frictionless authentication experience for “proof-of-presence” applications, including time-and-attendance, brand protection, promotional marketing and Internet of Things programs.

	Discs						Embeddable							Specialty		
													
Product family	**Bin Tag**	**IN Tag™**	**LogiTag®**		**BluTAG**	**Poly Tag™**	**FIT Brick Tag**	**Embeddable RFID**	**Glass Tag**			**IQ Labels**	**Sentry PCB Tag**	**Seal Tag**	**SlimFlex™ Tag**	
Sub-family	HF	HF	081/121	161/162	HF	HF	ABS	Piccolino	Vigo	ICODE SLIX2	F-MEM	Paper Label	e-Module	HF	200	OM
Description	Screw or embed into standard waste collection bins	Ruggedized discs for severe industrial environments	Small, thin discs with high chemical and pressure resistance. Optional button format		Identification and track-ing of textile products in industrial environments	Extreme-impact resistant discs	Micro-sized transponders for embedding into assets	Tiny, water resistant embeddable RFID disc	Compact embeddable capsules, resistant to long term immersion into water or chemicals			Custom-imprintable labels to integrate digital touch points onto physical media	Provide HF coils in a robust housing, to withstand the high heat manufacturing processes of special finished tags.	Visually or electrically tamper evident RFID seals	Flexible, rugged units with versatile mounting options	
	ELECTRONIC															
Chip type	ICODE SLIX	ICODE SLIX3	F-Mem	Vigo, ICODE SLIX2	ICODE SLIX2, F-MEM	EM4033	ICODE SLIX2	ICODE SLIX2	ICODE SLIX2, ICODE DNA, Vigo, F-Mem	Vigo	ICODE SLIX2	F-MEM	ICODE SLIX2	ICODE SLIx, ICODE SLIX2		
User memory up to	1024 bit	2560 bit	2 or 8 Kbyte	1024 or 2560 bit	2560 bit, 2 or 8 Kbyte	64 bit	2560 bit UM	2560 bit UM	1664, 1024, 2016, 2560 bit or 2, 26 KB	1664 bit	2560 bit	256 Bit	2560 bit UM	1024 bit EEPROM	2560 bit UM	
Reading distance	Dependent upon reader, environment and application						Dependent upon reader, environment and application							Dependent upon reader, environment and application		
Other frequencies	LF, UHF	LF		LF		LF	UHF		LF			UHF	UHF	UHF		
	PHYSICAL															
Dimensions Refer to datasheets for other available sizes	Ø 1.2 × 0.6 in (30 × 15 mm)	Ø 0.8 to 2 in (20 to 50 mm) Thickness 0.1 to 0.5 in (3 to 13 mm)	Ø 0.31 × 0.1 in (8 x 2 mm) / Ø 0.5 × 0.1 in (12 x 2 mm)	Ø 0.6 × 0.1 in (16 x 3 mm) / Ø 0.6 × 0.1 in (16 x 2.5 mm)	Ø 0.6 × 0.1 in (15 x 2.8 mm)	Ø 1.34 x 0.31 in (Ø 34 x 8 mm)	0.4 × 0.1 × 0.1 in (10 × 3.0 × 2.6 mm)	Ø 0.23 - 0.37 in (6 - 9.5 mm)	Ø 0.08 or 0.12 in (2.1 or 3.1 mm); length 0.4 or 0.5 in (12 or 13 mm)	Ø 0.2 x 0.9 in (Ø 4 x 22 mm)	Ø 0.08 x 0.47 in (Ø 2.1 x 12.0 mm)	0.7 × 0.7 in (18 × 18 mm); 1.3 × 0.7 in (34 × 18 mm)	Ø 0.57 in (14.5 mm)	3.3 × 1.0 × 0.1 in (85 × 25 × 3 mm) Cable tie 15.0 × 0.2 × 0.1 in (380 × 6 × 2 mm)	0.92 x 0.69 x 0.13 in (23.3 x 17.5 x 3.3 mm)	3.3 × 1.0 × 0.2 in (83 × 25 × 6 mm)
Mount on metal		some models												some models		Yes
Moisture resistance	IP67	IP68, IP69K	IP68			IP68, IP69K	IP68	IP67	IP68			IP67		IP68		
Food compatible		Yes							Yes							
	THERMAL															
Operating temperature	-40° to +185° F (-40° to +85° C)	-4° to +185° F (-20 to +85° C)	-40° to +194° F (-40° to +90° C)	-13° to 185° F (-25° to +85° C)		-40 °to +176° F (-40° to +80° C)	-13° to +158° F (-25° to +70° C)	-40° to +185° F (-40° to 85° C)	-13° to +185° F (-25° to +85° C)		-4° to 185° F (-20° to + 85° C)	-4° to +158° F (-20° to +70° C)	-40° to +185° F (-40° to 85° C)	-40° to +158° F (-40 to +70° C)		
Peak temperature to	194° F (90° C)	284° F (140° C)		248° F (120° C)	428°F (220°C)		284° F (140° C)		284° F (140° C)					212° F (100° C)		
Flame resistant		Yes				Yes			Yes							
	STANDARDS															
Compliant with ISO 18000-3 and others listed	DIN 30745 ISO 15693 NFC Tag Type 5	ATEX IECEx EN 60079-0:2009 EN 60079-11:2007 EN 60079-26:2007 ISO 15693 NFC Tag Type 5	ATEX / IECEx (only available for LogiTag 161) EN 60079-0:2009 EN 60079-11:2007 EN 50303:2001 ISO 15693 NFC Tag Type 5		ISO 15693, ISO 18000-3-1	ATEX, IECEx, ISO 15693 NFC Tag Type 5, 4, 2 (depending on chip)	ISO 15693 NFC Tag Type 5	ISO 15693 NFC Tag Type 5	ISO 15693, ISO 18000-3			ISO 15693 - NFC Tag Type 5	ISO 15693 ISO 18000-3 NFC Type V	ISO 15693 NFC Tag Type 5		

* To be NFC Forum Tag Type compliant,tags need to be formatted with an NDEF data structure.

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RFID TAG COMPARISON CHART

HF: 13.56 MHz / ISO 14443 / NFC*

Compliant with ISO/IEC 14443A and other standards.

Enhanced security potential with HID Trusted Tag® Services

Tags equipped with HID Trusted Tag integrated chips are uniquely programmed to enhance security and efficiency when deployed with HID Trusted Tag® Services. Our cloud-based NFC authentication platform adds unique identities to everyday objects enabling more secure, efficient transactions. Simply tap an embedded or attached HID Trusted Tag with any NFC device. Trusted Tag Services deliver a frictionless authentication experience for “proof-of-presence” applications, including time-and-attendance, brand protection, promotional marketing and Internet of Things programs.

	Discs	Embeddable			Specialty			
								
Product family	**Poly Tag™**	**IQ Labels**	**Seal Tag**	**IQ On Metal Labels**	**InLine Plate**	**Epoxy Keyfob**	**ISO Card**	**Secure Mobile Device Sticker**
Sub-family	HF	PET Clear	edTamper	IQ OM 5 HF	Asset Tag		MIFARE	
Description	Rugged disc for outdoor applications and other harsh environments. Optional Trusted Tag Services enabled.	Small, thin, translucent selfadhesive; hide discretely behind print media or inside product packaging.	Tamper-evident label to detect whether a product or box has been opened.	Thin, printable self-adhesive labels for on-metal use	Small on-metal asset tags utilizing HID Trusted Tag® Services for authentic proof of presence. Printable or clear housing options.	Customer-friendly form keeps credentials at hand; withstands rigors of daily transport in pockets or purses	Standard dimension cards enable access control, cashless payment and related applications	Printable ISO card with detachable sticker that adheres to mobile phones or metal objects for NFC applications
	ELECTRONIC							
Chip type	NTAG 216, HID Trusted Tag	NTAG 213	HID Trusted Tag	NTAG 213	HID Trusted Tag	HID Trusted Tag	MIFARE DESFire EV1/EV2, HID Trusted Tag	MIFARE DESFire EV1
User memory up to	888 byte, 8KB	144 byte	144 byte	144 byte	8 KB			
Reading distance	Near tap	Near tap			Near tap			
Other frequencies	LF	UHF	UHF	UHF		LF, UHF	LF, UHF	
	PHYSICAL							
Dimensions Refer to datasheets for other available sizes	Ø 1.34 x 0.31 in (Ø 34 x 8 mm)	0.74 × 0.4 in (19 × 11 mm)	4.6 × 0.9 in (118 × 23 mm)	ø 1.2 x 0.03 in (30 x 0.8 mm)	1.2 × 2.5 × 0.12 in (30 × 65 × 3.5 mm)	1.2 × 1.8 × 0.06 in (30 × 45 × 1.6 mm)	3.4 × 2.1 × 0.03 in (85.6 × 54 × 0.76 mm)	ISO card 3.4 × 2.1 × 0.03 in (85.6 × 54 × 0.84 mm); sticker 1.9 × 1.0 in (48 x 25 mm)
Mount on metal	Yes			Yes	Yes			Yes
Moisture resistance	IP69K, IP68	IP67		IP68	IP65	IP68	IP68	IP68
Food compatible								
Operating temperature	-13° to +185° F (-25° to +85° C)	-4° to +158° F (-20° to +70° C)			-40° to +185° F (-40° to +85° C)	-40° to +185° F (-40° to +85° C)	-31° to +122° F (-35° to +50° C)	-31° to +122° F (-35° to +50° C)
Peak temperature to						284° F (140° C)	176° F (80° C)	176° F (80° C)
Flame resistant	Yes							
Compliant with ISO 18000-3, ISO 14443A and others listed	NFC Tag Type 2 (NTAG 216) NFC Tag Type 4 (Trusted Tag)	ISO 14443A - NFC Tag Type 2	ISO/IEC 14443A, NFC Tag Type 2	ISO 14443 NFC Tag Type 2	ISO 14443 NFC Tag Type 4		ISO 14443 NFC Tag Type 4 ISO 10373 ISO 7816-1	ISO 14443 NFC Tag Type 4

* To be NFC Forum Tag Type compliant,tags need to be formatted with an NDEF data structure.

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2025-07-23-idt-rfid-il-frequency-nfc-tags-ct-en

PLT-02389

RFID TAG COMPARISON CHART

LF: 125 or 134.2 kHz

A tag for every application

HID can create a custom tag solution to fit your application requirements for chip type, dimensions, programming and materials. You can even embed multiple technologies in a single RFID tag, providing transition paths that connect legacy systems with new roll-outs.

	Discs									Embeddable		
												
Product family	**Bin Tag**	**Epoxy Tag**	**IN Tag™**	**identiFUEL™ Vehicle Tags**	**LogiTag®**		**Poly Tag™**	**Volcano Tag**	**World Tag®**	**Embeddable RFID**	**Glass Tag**	**Plug Tag**
Sub-family	LF	LF	LF		120	160	LF			LF	LF	
Description	Screw or embed into standard waste collection bins	Thin, rigid, discs can withstand plastic injection molding	Ruggedized discs for severe industrial environments	Small, tamper proof tags for unique identification of vehicles towards Fuel Managment Systems (FMS)	Small, thin discs with high chemical and pressure resistance		Low frequency disc shaped tags with extreme impact resistance	For high temperature environments	Cost-effective, general use indoor asset tags	Ring and rod shaped chips and antennas for customized enclosures	Compact capsules, resistant to long term immersion. Embeddable into metal or plastic. Available with Temperature Sensor: high-precision temperature monitoring.	Plastic inserts for permanent mounting to waste and other containers
	ELECTRONIC											
Chip type	Unique; FDX-B BDE, HDX BDE	Unique	HITAG S, Unique	HITAG S	HITAG S, Q5, Unique	Unique	Unique	Unique	HITAG S, Q5, Unique	EM4305, HITAG S, Q5, Unique	EM4305, HDX, HITAG S, Q5, Titan, Unique	FDX-B BDE
User memory up to	64, 128, 1024 bit	64 bit	64, 256, 2048 bit	256 bit	64, 264, 2048 bit	64 bit	64 bit	264 bit	64, 256, 264 bit	64, 256, 512 bit	64, 128, 256, 264, 1024, 512, 2048 bit	128 bit
Reading distance	Dependent upon reader, environment and application									Dependent upon reader, environment and application		
Other frequencies	HF, UHF	HF, UHF	HF, UHF		HF		HF				HF	
	PHYSICAL											
Dimensions Refer to datasheets for other available sizes	Ø 1.2 × 0.6 in (30 × 15 mm)	Ø 1.18 x 0.04 in (Ø 30 x 1 mm)	Ø 1.18 x 0.04 in (Ø 30 x 1 mm)	0.98 × 1.0 × 0.44 in (25 × 25.8 × 11.2 mm)	Ø 0.5 × 0.1 in (12 x 2 mm)	Ø 0.6 × 0.1 in (16 x 3 mm)	Ø 1.3 x 0.3 in (34 x 8 mm)	Ø 1.02 x 0.16 (26 x 4 mm)	Ø 0.8 to 2.0 in (20 to 50 mm); thickness 0.1 in (2 mm)	Multiple	Ø 0.05 to 0.2 in (1.2 to 4 mm); length 0.3 to 0.9 in (8 to 23 mm)	Ø 0.35 x 0.75 in (9 x 19 mm); cap Ø 0.6 in (15 mm)
Mount on metal	Yes									Yes		Yes
Moisture resistance	IP67	IP68, IP69K	IP68, IP69K	IP67	IP68		IP69K	IP68		Customize to meet requirements	IP68	IP68
Food compatible			Yes									
	THERMAL											
Operating temperature	-40° to +185° F (-40° to +85° C)	-40° to +185° F (-40° to +85° C)	-13 °to +185° F (-25° to +85° C)	-13° to +140° F (-25° to +60° C)	-13° to 185° F (-25° to +85° C)	-40 °to +185° F (-40° to +85° C)	-40 °to +185° F (-40° to +85° C)	-13° to +185° F (-25° to +85° C)	-13 °to +158° F (-25° to +70° C)		-40° to +185° F (-40° to +85° C) Sensor version : +77 °to +122° F (+25° to +50° C)	-13° to +185° F (-20° to 85° C)
Peak temperature to		284° F (140° C)	284° F (140° C)		320° F (160° C)		212° F (100° C)	392° F (+200° C)	212° F (100° C)		284° F (140° C)	
Flame resistant			Yes				Yes				Yes	
	STANDARDS											
Compliant with standards listed	DIN 30745 EN 14803		ATEX, IECEx EN 60079-0:2009 EN 60079-11:2007 EN 60079-26:2007	ATEX, IECEx EN 60079-0:2009 EN 60079-11:2007 EN 60079-26:2007	ATEX EN 60079-0:2009 EN 60079-11:2007 EN 60079-26:2007		IEC 62262-IK07, UL 94 HB				EN 60079-0, EN 60079-11:2007, EN 60079-26:2007 (all glass tags), EN 14903	EN 14803

2025-07-23-idt-rfid-il-frequency-lf-tags-ct-en

PLT-02390

Part of ASSA ABLOY

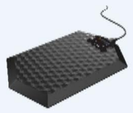
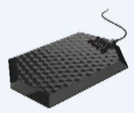
RFID READERS COMPARISON CHART

RAIN® RFID (UHF) Stationary Reader

HID® Acura RFID Readers

ACURA is the pioneer in the Radio Frequency Identification (RFID) market in Brazil and Latin America, and has been successful since the end of the 1990s in its wide-ranging adoption in the most diverse sectors of the economy, from mining to steel, from agriculture to food processing, from logistics to retail, from transportation to the distribution chain, from access control to asset management.

HexaPad, AcuPad and AC-01 are compact reading devices for applications like retail checkout. Edge-30 readers are used for outdoor applications like parking access, Intelligent Transport Systems (ITS) like road tolling or logistics.

							
Product family	**HexaPad**		**AcuPad**		**AC-01 V2**	**EDGE**	
Sub-family	**HexaPad-10**	**HexaPad-10 BC**	**AcuPad-50**	**AcuPad-50 MUX**	**AC-01 V2**	**EDGE-30R+ TCPIP**	**EDGE-30R+ AUTOID**
	A tabletop reader with UHF RFID technology developed with a Near Field antenna with a restricted reading field, suitable for checkout operations, in addition to having an integrated barcode reader that can be used in a simultaneous or separate reading of tags. It is a slim profile reader with a modern and elegant design.		A compact, discreet UHF RFID reader with two SMA outputs for external antennas. The reader, combined with the practicality of the USB connection as an HID Keyboard device, is a flexible solution for the most diverse retail, healthcare, industry, and logistics applications.		Highly versatile desktop reader that uses RFID technology and offers an array of impressive features. It operates in two modes: Autonomous Mode for automatic readings and Transparent Mode for software development and programming.	A high-performance UHF RFID reader for tag Reading, its main feature is to be used in vehicle access control operations.	
Frequency	UHF ANATEL (BR) 902 - 907 and 915 - 928 MHz CE (Europe) Upper band 916.3 MHz, 917.5 MHz, 918.7 MHz FCC (USA) 902 - 928 MHz		UHF ANATEL (BR) 902 - 907 and 915 - 928 MHz FCC (USA) 902 - 928 MHz			UHF ANATEL (BR) 902 - 907 and 915 - 928 MHz CE (Europe) Upper band 916.3 MHz, 917.5 MHz, 918.7 MHz FCC (USA) 902 - 928 MHz	
Applications	POS Asset control Tag programming stations		Self Checkout POS Asset control		Office applications RFID tag registration Manual tag identification	Vehicle identification Access Control Gas station payment Truck fleet management Train wagon control Drive-thru payment Fuel pump control + (more)	Vehicle identification Access control
RF output power	0 to 27 dBm		0 to 30 dBm	0 to 27 dBm		0 to 30 dBm	
Comunication interface	USB HID Keyboard USB Serial CDC					TCPIP RS-232	TCPIP Wiegand 26/34 bits Abatrack 10/14 digits Serial RS-232
Working modes	Autonomous Mode & Transparent Mode						N/A AutoID Firmware
API/SDK	Mercury API (using Transparent Mode)						Does not require software development using API/SDK
Built-in antenna	Yes		No		Yes		
Antenna gain	4 dBi @920 MHz				0 dBic	7.5 dBic	
Antenna ports	No		2 ports		No		
Antenna connector			2x RP-SMA Jack, male intern pin				
Reading distance	Up to 50 cm (adjustable by power settings)		The distance may vary depending on the antenna connected to the reader		Up to 20 cm (adjustable by power settings)	20 ft (6 m)	
Built-in barcode reader	No	Yes	No				
Communication	USB Type-A male connector					RJ45 connector	
Power	5 VDC +/- 1% (Host USB port)					IEEE 802.3af Powered Device (PD) PD Power Class: Class 3, 12.95 W Operating PoE Voltage: 37 VDC to 57 VDC	
Cable leght	6.5 ft (2 m)						
IP Rating	N/A					IP65	
Mounting type	Desktop reader		Desktop/table or wall mounting		Desktop reader	With mounting support on the back side for poles (Ø 1" to 1.75" and 1.75" to 3") or flat surfaces (wall)	
Dimensions	10.6 x 6.8 x 0.5 in (270 x 175 x 15 mm)	10.6 x 6.8 x 0.9 in (270 x 175 x 24 mm)	5.1 x 3.5 x 0.6 in (130 x 90 x 17 mm)		3.5 x 2.2 x 0.7 in (89 x 57 x 20 mm)	8.6 x 8.6 x 5.03 in (220 x 220 x 128 mm)	
Certification	ANATEL / CE / FCC		ANATEL / FCC			ANATEL / CE / FCC	

2024-03-19-idt-rfid-il-frequency-acura-rfid-tags-ct-en
PLT-07608

Part of ASSA ABLOY

RFID TAG COMPARISON CHART

Bluetooth® Low Energy

Advanced Bluetooth Low Energy beacons with sensor technology and multi-protocol support

BEEKs™ Bluetooth LE beacons are among the most advanced beacons in the industry. Being fully Apple iBeacon and Google Eddystone compatible, BEEKs beacons may be used for any standard beacon application that provides location based promotional services to smartphone users. When combined with HID Global's end-to-end IoT Services ecosystem, that includes BluFi™ Bluetooth LE to WiFi gateways and the Bluzone™ cloud services, BEEKs can be centrally managed through the cloud to transfer messages, firmware updates and status information remotely. Their unique design allows BEEKs to broadcast reliably even in densely populated WiFi environments.

	Beacons									
										
Product family	BEEKs™									
Sub-family	Lite	LR	Mini	Mini Duress Pendant	Mini Ruggedized	CM v2 / Industrial v2	LR Temperature	Badge	Duress Badge Holder	Wristband v4
Description	Bluetooth LE beacon without sensors to be used for Proximity Marketing, way-finding and/or real-time location (RTLS).	BEEKs LR beacon features a high-gain directional antenna that is especially useful for wayfinding applications	Tiny Bluetooth LE beacon to support real-time location (RTLS).	Smallest beacon of the Duress family and clip holders on both sides allow easy integration to existing lanyard/badge sets.	Versatile asset tracking device with a waterproof, rugged case that makes it robust enough for a host of industrial applications.	Rugged Bluetooth LE condition monitoring beacon with embedded sensors to measure temperature and vibration of motorized equipment in manufacturing, coolers, escalators etc.		Beacon badge that can be optionally combined with passive RFID for access control. Typically used for optimizing office utilization or mustering.	Bluetooth LE badge holder, into which a printed (RFID) ISO card can be inserted (landscape or portrait). Includes call button on the back that can raise an alert in the Bluzone console when in vicinity of a connected BluFi. Optionally supports hand hygiene compliance module.	Bluetooth LE beacon that is worn around the wrist, like a watch to identify patients and supports real-time location applications.
Protocol	Bluetooth Low Energy 4.2		Bluetooth Low Energy 5.0	Bluetooth Low Energy 4.2	Bluetooth Low Energy 5.0	Bluetooth Low Energy 4.2			Bluetooth Low Energy 5.0	Bluetooth Low Energy 5.0
Frequency Band	2400-2483.5 MHz									
Bluetooth LE Application	Eddystone, iBeacon, sBeacon		sBeacon		sBeacon, Quuppa	Eddystone, iBeacon, sBeacon			sBeacon	sBeacon
Battery Life	Up to 5 year battery life		Up to 2 year battery life			Up to 3 year battery life		Up to 4 year battery life	Up to 3 year battery life with no activations	RTLS mode (Asset Tracking), advertisement every 200ms: 14 days
Dimensions	2.36 in × 0.83 x 0.98 in (60 × 21 x 25 mm)	2.48 in × 2.36 x 0.86 in (63 × 60 x 22 mm)	1.2 in x 0.4 in (30 x 10 mm)	1.28 in × 0.39 in (32.5 mm × 10 mm)	1.88 in × 1.45 x .51 in (47.9 × 36.9 x 13mm)	2.36 in × 0.83 x 0.98 in (60 × 21 x 25 mm)	2.48 x 2.36 x 0.86 in (63 × 60 x 22 mm)	2.14 × 3.39 in (54 × 86 mm)	2.5 in × 3.7 in x 0.2 in (64 mm × 95 mm x 5 mm)	*0.75 in dia, 0.27 in height 19 mm dia, 7 mm height*
Affixation	3M VHB adhesive sticker or Epoxy glue			Clip	Lanyard, Rivet or 3 in 1	3M VHB adhesive sticker or Epoxy glue		Clip		Wristband
Weight	1 oz (28 g)	3.3 oz (93.5 g)	0.24 oz (7 g)	0.5 oz (14 g)	0.6 oz (19 g)	max. 1.37 oz (39 g)	3.3 oz (93.5 g)	0.5 oz (14 g)	0.85 oz (24 g)	0.25 oz (7 g)
Water (IP)	IP65	IP67		IP64	IP68	IP65 and IP67	IP67		IP64	IP67
Impact (IK)	IK09				IK08	IK09			IK07	
Operating temperature	-13° to +170° F (-25° to +77° C)	-22° to +170° F (-30° to +77° C)	-4° to +140° F (-20° to +60° C)			-13° F to +185° F (-25° C to +85° C) Intrinsically Safe Version: -13° to +140° F (-25° to +60° C)	-13° to +170° F (-25° to +77° C)	-4°F to +138°F (-20°C to +59°C)	-22° to +158° F (-30° to +70° C)	32° to +113° F (0° to +45° C)
Withstands Exposure To	Water and UV Resistant									Water resistant
Certifications	FCC / CE / JRF / IC	FCC / CE	FCC	FCC / CE / IC	FCC / CE	FCC / CE / IC / UKCA / RCM ATEX / IECEx (Intrinsically Safe version only)	FCC / CE	FCC / CE	FCC / CE / IC	FCC / IC

*Battery life is dependent on device configuration, such as broadcast power and transmission rate. This estimate is based upon typical beacon configuration and use-cases. This estimate is subject to increase or decrease based on specific usage needs.

HID

RFID TAG COMPARISON CHART

Bluetooth® Low Energy (Cont'd)

Advanced Bluetooth Low Energy beacons with sensor technology and multi-protocol support

BEEKs™ Bluetooth LE beacons are among the most advanced beacons in the industry. Being fully Apple iBeacon and Google Eddystone compatible, BEEKs beacons may be used for any standard beacon application that provides location based promotional services to smartphone users. When combined with HID Global's end-to-end IoT Services ecosystem, that includes BluFi™ Bluetooth LE to WiFi gateways and the Bluzone™ cloud services, BEEKs can be centrally managed through the cloud to transfer messages, firmware updates and status information remotely. Their unique design allows BEEKs to broadcast reliably even in densely populated WiFi environments.

	Beacons						Gateways		
									
Product family	Sense					BluFi™			
Sub-family	Sense Asset+	Sense Asset+ Hanger	Sense Asset	Sense Lite V2	Sense Badge Holder	AC (US 5GHz Next Generation)	AC (EU/UK/AU)	UP	DC (Plenum)
Description	Highly ruggedized, industrial IOT asset tracking device offers effortless indoor and outdoor tracking of assets with a multiyear replaceable battery for superior ROI and performance.	Designed to be used by the automotive industry to identify and locate semi-finished vehicles on large factory parking lots. The flexible carbine lock allows easy fixation and removal on the car's rear-view mirror.	Sense Asset is a highly ruggedized active asset tracking tag. It can be attached using a range of different options, including screws, magnets and cable ties (see different mechanical variants for more details).	Sense Lite is a powerful small form factor asset/personnel tracker device. It benefits from a user replaceable battery which allows the product to be serviced in the field and extends the product life.	Sense Badge Holder is a ruggedized long life personnel tracking beacon that can be ordered in either portrait or ladscape orientations. Intrinsically Safe option available.	BluFi acts as gateway between Bluetooth LE beacons and existing WiFi networks to enable cloud based remote management, location and beacon data collection. This model plugs into any standard A/C outlet and features an omnidirectional antenna.		BluFi acts as gateway between BLE beacons and existing WiFi networks to enable cloud based remote management, location and beacon data collection. This model supports direct DC power and Power over Ethernet. It features an omnidirectional antenna.	BluFi DC Plenum is a flame resistant, low-voltage DC powered version that is designed to be installed on walls, ceilings or in the plenum, with an optional mounting kit.
Protocol	LoRaWAN 1.0.4, LoRa,Bluetooth, NFC, GNSS		Bluetooth Low Energy 5.1			Bluetooth Low Energy 4.2 & 5.1 / WiFi: 802.11 b/g/n	Bluetooth Low Energy 4.2 / WiFi: 802.11 b/g/n	Bluetooth Low Energy 4.2 & 5.1 / WiFi: 802.11 a/b/g/n	Bluetooth Low Energy 4.2 / WiFi: 802.11 b/g/n
Frequency Band	LoRa Frequency Range: 866-868 MHz (EU) 902-928 MHz (US)		2400-2483.5 MHz			2400-2483.5 MHz, 2.4 GHz / 5 GHz (WiFi)	2400-2483.5 MHz, 2.4 GHz (WiFi)	2400-2483.5 MHz, 2.4 GHz / 5 GHz (WiFi)	2400-2483.5 MH , 2.4 GHz (WiFi)
Bluetooth LE Application	Omni-ID		Eddystone, iBeacon, Omni-ID			sBeacon, WiFi			
Battery Life	Up to 3 years battery life		up to 8 years, Static 23hours a day @ 0.1Hz, moving 1hr a day at 1Hz	Up to 1.5 years	up to 6 years, Static 16hours a day @ 0.1Hz, moving 8 hr a day at 1Hz	100-240V AC, 50/60 Hz		9V - 56V DC	N/A
Dimensions	5.32 in × 2.72 x 1.29 in (135.3 × 69 x 33 mm)	9.12 in × 2.55 × 1.19 in (231.7 × 64.9 × 30.4 mm)	95.1 x 34.2 x 21mm	1.45 in × 1.45 x 0.50 in (36.9 x 36.9 x 12.8 mm)	Portrait Version: 96.4 x 57.9 x 8.0 mm Landscape Version: 89.4 x 64.9 x 8.0 mm Portrait + Landscape Version: 96.4 x 64.9 x 8.0 mm	2.1 x 1.5 x 1.4 in (55 x 38 x 33 mm)	2 × 1.5 x 1.5 in (50 × 38 x 38 mm)	3.7 × 3.5 x 1.3 in (94 × 90 x 32 mm)	3.4 X 3.2 X 1.2 in (86.1 X 82.2 X 31.8 mm)
Affixation	Rivet Attachment, Mechanical (std)	Hang from rear view mirror using karabiner attachment	Screw, Rivet, Cabletie, Magnet	Lanyard, Rivet, Cable Tie or 3 in 1	Lanyard	A/C power plug		POE & DC	USB Type A
Weight	7.8 oz (222 g)	6.99 oz (198.39 g)	2.1 oz (59 g)	0.65 oz (18.5 g)	1.19 oz (34 g)	1.3 oz (37 g)	1.7 oz (48 g)	5.82 oz (165 g)	4.13 oz (117 g)
Water (IP)	IP68	IP54	IP68						
Impact	IK09	IK08	IK11	IK08					
Operating temperature	-4° to +140° F (-20° to +60° C)		-40° to +140° F (-40° to +60° C)	-4° to +140° F (-20° to +60° C)				-4° to +158° F (-20° to +70° C)	-4° to +158° F (-20° to +70° C)
Withstands Exposure To	Salt Mist	N/A	water resistant, UV resistant						Flame UL-2043
Certifications	FCC/CE/IEC 62368-1 / EMC / SAR		FCC / CE / IC ATEX / IECEx / C1D1 (optional)	FCC / CE / IC ATEX / IECEx / C1D1 (optional)		FCC JQ6.BLUFIAC01, IC 2236B-BLU-FIAC01; Bluetooth LE; WiFi 2.4 GHz and 5 GHz	FCC/CE/UL/FRE	FCC/CE/IC	

*Battery life is dependent on device configuration, such as broadcast power and transmission rate. This estimate is based upon typical beacon configuration and use-cases. This estimate is subject to increase or decrease based on specific usage needs.

HID

2025-07-14-idt-rfid-il-frequency-ble-tags-ct-en
PLT-03335

Part of ASSA ABLOY

RFID TAG COMPARISON CHART

Active RFID: 433 MHz Radio Frequency

HID GuardRFID® Active Tags: RTLS for monitoring and protecting healthcare staff and patients

GuardRFID is a leading provider of real-time location services (RTLS) hardware and software solutions in the healthcare space. GuardRFID's suite of active RFID tags, readers, exciters and software support four primary use cases important to the healthcare market: infant security, staff safety, asset tracking and wander management.

With hundreds of system installations in the healthcare industry, GuardRFID delivers a robust multi-purpose real-time location platform with superior flexibility and scalability.

	Tags								
									
Product family	**Infant Tags**				**Patient Tags**		**Employee Tags**	**Asset Tags**	
Sub-family	**Umbilical Tags**	**TotTags2**	**TotTags**	**Mother Tags**	**Tamper Detecting Patient Tags**	**Patient Tags**	**Staff Tags**	**Low Profile Asset Tags**	**433MHz Portable Tag Tester**
Product Number	**61-10007**	**61-32001**	**61-10000**	**61-10300**	**61-10010**	**61-10100**	**61-10400**	**61-10501**	**61-32001**
	Infant monitoring tag designed to be used with umbilical clamp on infants. The tags beacon once every 12 seconds to help provide accurate location tracking.	Infant monitoring tag with dual tamper detection. TT2 tag is designed to be attached to infants up to 4 months old using a soft fabric band that supports a wide range of infant sizes. The tag's detection capability allows the software to generate a warning if the tag is loose and an alarm if the tag is tampered or removed from the infant.	Infant monitoring tag with dual tamper detection. TT tag is designed to be attached to infants up to 4 months old using a soft fabric band. The tag's detection capability allows the software to generate an alarm if the tag is tampered or removed from the infant.	Tag that enables baby matching with any parent or item provided specifically for their care. The tag has a range of 30.5 cm (12") nominal to infant monitoring tag. Can be paired with any infant or patient tag.	All-ages patient tag with tamper detection that is applied with a woven band and holder. The tags beacon once every 12 seconds and have 12 months of battery life.	Standard patient tag for adult patients that include location monitoring and elopement prevention. The tags beacon once every 12 seconds and have 12 months of battery life.	Staff monitoring tag with: 2 x programmable buttons, 2 x LED indicators, audio speaker, accelerometer and motion detection sensor. Tag is capable of triggering Staff Duress alarms to ensure staff are able to receive help when needed.	Low profile asset tracking tag with integrated motion and temperature sensors. Supports variable battery life based motion activity - beacons faster in motion to provide more accurate location tracking and slower when stationary to preserve battery.	Tests if tags are functional without connecting to the AllGuard® software. Includes charging cable and rechargeable NiMH battery. Tag Read Distance: 60 cm (2')
AllGuard Software Compatability	All versions	9.1.0	All versions					3.5.1 or later	All versions
Protocol	433 MHz RTLS								
Frequency Band	Transmit: 433MHz Receive: 125 KHz			Transmit: 125 KHz	Transmit: 433MHz Receive: 125 KHz		Transmit: 433 MHz Receive: 433 MHz and 125 KHz	Transmit: 433 MHz Receive: 125 KHz	Transmit: 125KHz Receive: 433 KHz
Beacon Interval	12 seconds	Active: 12 seconds Idle: 2 minutes	Active: 12 seconds Idle: 2 minutes	n/a	Active: 12 seconds Idle: 2 minutes	12 seconds	Motion: 12 seconds Static: 10 minutes		n/a
Battery Life	12 months							32 months with no motion 24 months with 15% motion 12 months with 75% motion	Rechargeable
Dimensions	1.1 x 0.8 in (28 x 19.8 mm)	1.1 x 0.5 in (28 x 12.2 mm)	1.1 x 0.5 in (28 x 12.2 mm)	1.8 x 1.6 x 0.5 in (46.4 x 41.3 x 11.9 mm)	1.1 x 0.5 in (29 x 12.4 mm)	1.1 x 0.6 in (28 x 14.5 mm)	3.3 x 1.9 x 0.2 in (83 x 49 x 4.5 mm)	1.6 x 1.3 x 0.2 in (40 x 32 x 5.9 mm)	8.2 x 1.7 in (230 x 38 mm)
Affixation	Umbilical clamp (sold separately)	Fabric band with silicon holder (61-14031)	Fabric band – Available in 4 sizes: 61-12204 — 229 x 58 mm (9 x 2.3") 61-12000 — 203 x 58 mm (8 x 2.3") 61-12004 — 203 x 46 mm (8 x 1.8") 61-12203 — 178 x 46 mm (7 x 1.8")	Security band (61-12102)	Cut-band (61-12049) - other styles available	Security band (61-12102) - wristband style available	Lanyard (sold separately)	Included adhesive or optional keychain accessory(61-14016)	n/a
Weight	0.2 oz (6 g)	0.2 oz (6.4 g)		0.7 oz (20 g)	0.3 oz (7.6 g)	0.2 oz (6.6 g)	0.7 oz (20 g)	0.2 oz (6 g)	19 oz (500 g)
Water (IP)	Designed to IP68	Designed to IP66		Designed to IP68			IP52 (Splashproof)	IP68	n/a
Operating temperature	-14° to +122° F (-10° to +50° C)						-4° to +122° F (-20° to +50° C)	-22° to +122° F (-30° to +50° C)	-14° to +122° F (-10° to +50° C)
Humidity	0-100%						0-100% non-condensing	0-100%	0-95%
Certifications	FCC / IC			FCC / IC / CE	FCC / IC/CE	FCC / IC / CE / UL			FCC

2025-01-13-idt-rfid-il-frequency-active-rfid-tags-ct-en
PLT-07470

Part of ASSA ABLOY

2026-02-04-idt-rfid-il-frequency-tags-ct-en
PLT-02376

Part of ASSA ABLOY