




















PRODUCT 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.



DISCS				SPECIALTY																		
																						
Blin Tag	Epoxy Tag	In Tag	Embeddable RFID	Brick Tag	High Temperature Label	InLine Tag* Plate	InLine Tag* Ultra		Iron Tag*			ISO Card	Keg Tag	LinTag™	Seal Tag vTammer	Seal Tag vTammer (Black)	Seal Tag edTammer	SlimFlex™ Tag		TapMark™ Tag	Inlays & Labels - On Metal	Labels
UHF	UHF	500	PCB Coin	Ceramic UHF			Standard /Curve	Mini	176	206	206F	UHF	UHF	200	UHF	89/56/35	UHF	Standard / Mini	Laundry	UHF	UHF	UHF
Screw or embed into standard waste collection bins	Thin, rigid, surface-printable rectangle. Can withstand plastic injection molding	Versatile disc-shaped RFID tags designed to perform in the toughest conditions.	Highly robust near-field UHF coin for embedding. Withstands high temperatures, liquids and impact.	Micro-sized transponders for tracking small metal assets	Impermeable, wafer-thin sheets, resistant to high heat and torsion. Shape customizable	Thin, rigid container tags with large surface to accommodate laser engraving or labels	High performance, general purpose transponders. Mount via glue, screw or weld	Small, robust, general purpose transponders	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 liners, 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	Sewn into hem of garments, chemicals and high temperatures of up to 200 washing cycles	Indoor asset tracking on/off metal tag with a multitude of mounting options incl. sticker, cable tie, screw or magnet	Thin, printable self-adhesive labels for on-metal use	UHF inlays in various form factors, material and chip options
Higgs 3	Higgs 3	G2IM	Monza 4E	Higgs 3, Monza R6-P	Monza 4QT	Monza 4E or EM4423 (UHF/NFC)	Monza 4QT	Monza R6	Higgs 3	Monza X		Monza 4QT	Monza 4QT, Monza R6	Monza M5	Higgs 3	Higgs 4	UCODE G2IM+	Higgs 3		Monza R6	UCODE 8, UCODE 7XM	Monza R6 /R6-P, Higgs 4
96 bit 64 bit	96 bit 64 bit	256 bit 96 bit	496 bit 96 bit	96 bit 64 bit	128 bit 96 bit	496 bit 96 bit / 1920 bit	128 bit 96 bit	96 bit 48 bit	96 bit 64 bit	128 bit 96 bit		128 bit 96 bit	128 bit 96 bit	128 bit	96 bit 64 bit	128 bit 64 bit	256 bit 96 bit	96 bit 64 bit		96 bit	96 bit	96 bit
512 bit	512 bit	640 bit	128 bit	512 bit	512 bit	N/A	512 bit		512 bit	8192 bit		512 bit	512 bit	N/A	512 bit	128 bit	112 bit	512 bit		N/A	32 bit	64 bit
6.5 ft (2 m)	26 ft (8 m)	10 ft (3 m)	10 in (25 cm)	8 ft (2.5 m)	26 ft (8 m)	25 ft (7.5 m) 13 ft (4 m)	26 ft (8 m)	9.8 ft (3 m)	13 ft (4 m)	8 ft (2.5 m)		N/A	29 ft (9 m)	23 ft (7 m)	26 ft (8 m)	32.8 ft (10 m)	6.5 ft (2 m)	26 ft (8 m)	16 ft (5 m)	9.8 ft (3 m)	16 ft (5 m)	46 ft (14 m)
LF, HF	LF, HF	LF, HF		LF, HF		HF						LF, HF			HF		HF			HF	HF	
Ø 1.2 x 0.6 in (30 x 15 mm)	3.3 x 1.0 x 0.04 in (83 x 25 x 1 mm)	Ø 1.97 x 0.14 in (Ø 50 x 3.5 mm)	0.7 x 0.5 x 0.04 in (19 x 12 x 1 mm)	max. 0.4 x 0.2 x 0.12 in (10 x 5.4 x 3.1 mm)	3.1 x 2.0 x 0.02 in (80 x 50 x 0.5 mm)	4.7 x 2.7 x 0.2 in (120 x 68 x 4 mm)	3.8 x 1.0 x 0.6 in (97 x 27 x 15 mm)	2.4 x 0.7 x 0.3 in (60 x 18 x 8 mm)	2.0 x 0.9 x 0.3 in (53 x 23 x 7 mm)	1.3 x 1.2 x 0.24 in (33.7 x 31.1 x 6.1 mm)		3.4 x 2.1 x 0.03 in (85.6 x 53.98 x 0.8 mm)	3.5 x 1.5 x 0.6 in (88 x 37 x 15 mm)	max. 2.5 x 1.1 x 0.04 in (64 x 28 x 1 mm)	3.3 x 1.0 x 0.1 in (85 x 25 x 3 mm); cable tie 15.0 x 0.2 x 0.1 in (380 x 6 x 2 mm)	3.5 x 2.2 x 1.4 in (89 x 56 x 35 mm); cable tie 17.1 x 0.4 x 0.08 in (450 x 9 x 2 mm)	13.3 x 0.55 x 0.04 in (339 x 14 x 1 mm); cable tie 30.7 x 0.55 x 0.04 in (780 x 14 x 1 mm)	max. 3.4 x 1.0 x 0.1 in (87 x 25 x 3 mm)	2.1 x 0.5 x 0.1 in (55 x 12 x 2 mm)	1.5 x 0.5 x 0.2 in (38 x 13 x 4.5 mm)	max. 2.4 x 0.9 x 0.05 in	0.7 x 1.7 in (18 x 43 mm) / 3.6 x 1.1 in (92 x 28 mm)
		Yes		Yes		Yes	Yes		Yes			Yes			Yes				Yes	Yes		
IP67	IP68, IP69K	IP69K	IP68	IP67	IP68	IP68, IP69K	IP68, IP69K		IP68, IP69K	IP67	IP69K	IP68	IP68	IP68	IP68			IP68	IP67	IP68	IP67	
		Yes							Yes													
-40° to +158° F (-40° to +70° 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)	-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 +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 +158° F (-40° to +70° C)	-40° to +158° F (-40° to +70° C)	-4° to +158° F (-20° to +70° C)	-40° to +185° F (-40° to +85° C)	
194° F (90° C)	284° F (140° C)	284° F (140° C)	428° F (220° C)	302° F (150° C)	448° F (230° C)	185° F (85° C)	185° F (85° C)		356° F (180° C)	428° F (220° C)	212° F (100° C)	176° F (80° C)	185° F (85° C)	248° F (120° C)	158° F (70° C)		158° F (70° C)	158° F (70° C)	428° F (220° C)	302° F (150° C)	185° F (85° C)	185° F (85° C)
		Yes			Yes				Yes								Yes					
DIN 30745		ISO 4892-2 ISO 18000-6C IEC 68-2-6 IEC 68-2-29 UL94-HB				IEC 62262-IK06 ISO 17364, ISO 18000-63, ISO 14443A - NFC Tag Type 2	DIN 40050-9 IEC 62262-IK09 to IK07 ISO 17364		ATA Spec 2000 DIN 40050-9 IEC 62262-IK07 GSI EPC TDS 1.6 SAE AS5678			ISO 10373 ISO 7816-1	IEC 62262-IK08/IK07 ISO 17364	IEC 62262-IK04	IEC 62262-IK06	IEC 62262-IK08	ATA Spec 2000 DIN 40050-9 GSI EPC TDS 1.6 SAE AS5678	IEC 62262-IK06				



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2019-05-21-hid-rfid-ii-frequency-uhf-tags-ct-en

PLT-02387











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.

PRODUCT COMPARISON CHART

HF: 13.56 MHz / ISO 15693 / NFC*

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

DISCS						EMBEDDABLE						SPECIALTY		
														
Bin Tag	IN Tag™		LogiTag®		Poly Tag™	Brick Tag	Embeddable RFID	Glass Tag		Inlays & Labels	Seal Tag	SlimFlex™ Tag		
HF	HF		081/121	161/162	HF	Vigo	Piccolino	Vigo	ICODE SLIX	Wet Inlay	HF	HF 200		
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		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		Small, thin, translucent self-adhesive; hide discretely behind print media or inside product packaging.	Visually or electrically tamper evident RFID seals	Flexible, rugged transponders deliver versatile mounting options		
ICODE SLIX	ICODE SLIX, SLIX2	F-Mem	Vigo, ICODE SLIX	ICODE SLIX, SLIX2, F-Mem	ICODE SLIX, TTS, NTAG 216	Vigo	ICODE SLIX (2), Vigo, F-Mem	Vigo	ICODE SLIX	ICODE SLIX, SLIX-S	ICODE SLIX			
896 bit	896 bit, 2560 bit	8 Kbyte	1024 or 2048 bit, 896 bit	896 bit, 2560 bit, 2 or 8 Kbyte	896 bit	1024 bit	16 Kbit	1664 bit	896 bit	896 bit, 2048 bit	896 bit			
Dependent upon reader, environment and application						Dependent upon reader, environment and application							Dependent upon reader, environment and application	
LF, UHF	LF, UHF		LF		LF	LF, UHF	LF		LF		UHF			
Ø 1.2 x 0.6 in (30 x 15 mm)	Ø 0.8 to 2.2 in (20 to 55 mm) Thickness 0.1 to 0.5 in (3 to 13 mm)		Ø 0.5 x 0.1 in (8/12 x 2 mm)	Ø 0.6 x 0.1 in (16 x 3 mm)	Ø 1.34 x 0.31 in (Ø 34 x 8 mm)	0.4 x 0.1 x 0.1 in (10 x 3.0 x 2.6 mm)	Ø 0.23 - 0.37 in (6 - 9.5 mm)	Ø 0.1 x 0.5 in (Ø 2 x 12 mm)	Ø 0.2 x 0.9 in (Ø 4 x 22 mm)	18x57 mm (ICODE SLIX)	3.3 x 1.0 x 0.1 in (85 x 25 x 3 mm); cable tie	max. 3.4 x 1.0 x 0.1 in (87 x 25 x 3 mm) (6 mm on metal)		
Yes		Yes										Some models		
IP67	IP68, IP69K		IP68		IP67	IP67		IP68		IP67	IP68			
Yes						Yes								
-40° to +158° F (-40 to +70° 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)	-13° to +185° F (-25° to +85° 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 +158° F (-20° to +70° C)	-40° to +158° F (-40 to +70° C)			
194° F (90° C)	284° F (140° C)		194° F (90° C)	248° F (120° C)	266° F (130° C)			284° F (140° C)		257° F (125° C)	212° F (100° C)			
Yes						Yes								
DIN 30745 ISO 15693 NFC Tag Type 5	ATEX EN 60079-0:2009 EN 60079-11:2007 EN 60079-26:2007 ISO 15693 NFC Tag Type 5		ATEX EN 60079-0:2009 EN 60079-11:2007 EN 60079-26:2007 ISO 15693 NFC Tag Type 5		ISO 15693 NFC Tag Type 5, 4, 2 (depending on chip)	ISO 15693 NFC Tag Type 5	ISO 15693 NFC Tag Type 5	ATEX EN 60079-0:2009 EN 60079-11:2007 EN 60079-26:2007 ISO 15693 NFC Tag Type 5		ISO/IEC 15693 NFC Tag Type 5	ISO 15693 NFC Tag Type 5			

* To be NFC Forum Tag Type compliant, tags need to be formatted with an NDEF data structure. Tag Type 2 and 4 are supported by all known NFC devices.
NFC-V Tag Type 5 (Vicinity - ISO 15693) has been officially standardized by NFC Forum in June 2015 and may not be supported by some older NFC devices.
Android and Windows 10 Phone typically support tag type 5.

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.












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2019-05-21-hid-rfid-hf-frequency-hf-tags-ct-en
PLT-02388

PRODUCT COMPARISON CHART

HF: 13.56 MHz / ISO 14443 / NFC*

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

	DISCS	EMBEDDABLE				SPECIALTY				
										
Product Family	Embeddable RFID	Poly Tag™	Inlays & Labels		Inlays & Labels - On Metal	InLine Tag® Plate	Seal Tag	Epoxy Keyfob	ISO Card	Secure Mobile Device Sticker
Sub-family	Clear Disc	HF	Paper Label	Wet Inlay	OM Label	Asset Tag	eTamper Coin		MIFARE	
Description	Transparent coating resists chemical exposure, shock, vibration and thermal fluctuations	Rugged disc for outdoor applications and other harsh environments. Optional Trusted Tag® Services enabled.	Custom-imprintable labels to integrate digital touch points onto physical media	Small, thin, translucent self-adhesive; hide discretely behind print media or inside product packaging.	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.	Self destructing when removed, eTamper Coin TTS adds a non-replicable identity to each interaction - ideal for “proof of presence” applications.	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
Chip type	MIFARE DESFire EV1/EV2	NTAG 216, HID Trusted Tag	NTAG 213	NTAG 213, HID Trusted Tag	NTAG 213	HID Trusted Tag	MIFARE DESFire EV1 /EV2, HID Trusted Tag	MIFARE EV1 1K, HID Trusted Tag	MIFARE DESFire EV1/EV2, HID Trusted Tag	MIFARE DESFire EV1
User memory up to	4 KB	888 byte, 8KB	144 byte	144 byte, 8KB	144 byte	8 KB				4K
Reading distance up to	Near tap		Near tap		Near tap	Near tap				
Other frequencies	LF				UHF			LF	LF, UHF	
Dimensions <small>Refer to datasheets for other available sizes</small>	Ø 0.98 in (25 mm)	Ø 1.34 x 0.31 in (Ø 34 x 8 mm)	Ø 0.86 in (22 mm), Ø 0.9 in (23 mm) or Ø 1.6 in (40 mm)		max. 2.4 x 0.9 x 0.05 in (60 x 24 x 1.2 mm)	1.2 x 2.5 x 0.12 in (30 x 65 x 3.5 mm)*	Ø 1.5 in (39 mm)	1.2 x 1.8 x 0.06 in (30 x 45 x 1.6 mm)	3.4 x 2.1 x 0.03 in (85.6 x 54 x 0.76 mm)	ISO card 3.4 x 2.1 x 0.03 in (85.6 x 54 x 0.84 mm); sticker 1.9 x 1.0 in (48 x 25 mm)
Mount on metal		Yes			Yes	Yes	Yes			Yes
Moisture resistance	IP67	IP69K, IP68	IP67		IP68	IP68		IP67	IP68	IP68
Food compatible										
Operating temperature	-4° to +140° F (-20° to +60° C)	-13° to +185° F (-25° to +85° C)	-4° to +158° F (-20° to +70° C)		-4° to +158° F (-20° to +70° C)	-40° to +185° F (-40° to +85° C)	-13° to +158° F (-25° to +70° C)	-13° to +176° F (-25° to +80° C)	-31° to +122° F (-35° to +50° C)	-31° to +122° F (-35° to +50° C)
Peak temperature	194° F (90° C)	266° F (130° C)	257° F (125° C)		185° F (85° C)			284° F (140° C)	176° F (80° C)	176° F (80° C)
Flame resistant										
Standards <small>Compliant with ISO 18000-3, ISO 14443A and others listed</small>	ISO 14443 NFC Tag Type 4	NFC Tag Type 2 (NTAG 216) NFC Tag Type 4 (Trusted Tag)	ISO 14443 NFC Tag Type 2 (NTAG 213) NFC Tag Type 4 (Trusted Tag)		ISO 14443 NFC Tag Type 2 (NTAG 213)	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. The above listed Tag Types 2 and 4 are supported by all known NFC devices. NFC-V Tag Type 5 (ISO 15693) has been officially standardized by NFC Forum in June 2015 and may not be supported by some older NFC devices. These tags can be found on the HF / ISO 15693 Tag comparison chart. Android and Windows 10 Phone typically support tag type 5.



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2019-05-21-hid-rfid-il-frequency-nfc-tags-ct-en
PLT-02389

HID can create a custom tag solution to fit your application requirements for chip type, dimensions, programming and materials.

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.



PRODUCT COMPARISON CHART

LF: 125 or 134.2 kHz

	DISCS									EMBEDDABLE				
														
Product Family	Bin Tag	Epoxy Tag	IN Tag™	identiFUEL™ Vehicle Tags	LogiTag®		Poly Tag™	Volcano Tag	World Tag®	Brick Tag	Embeddable RFID	Glass Tag	Nail Tag	Plug Tag
Sub-family	LF	LF	LF		120	160	LF			HDX, Nova	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		Extreme-impact resistant discs	For high temperature environments	Cost-effective, general use indoor asset tags	Micro-sized transponders for embedding into assets	Ring and rod shaped chips and antennas for customized enclosures	Compact capsules, resistant to long term immersion. Embeddable into metal or plastic	Glass-fiber nails pound into wood and pallets	Plastic inserts for permanent mounting to waste and other containers
Chip type	Unique; FDX-b BDE; HDX BDE	HITAG S; Unique	HITAG S; Unique	HITAG S	HITAG S; Q5; Unique	Unique	HITAG S; Unique	Q5; Unique	HITAG S; Q5; Titan; Unique	HDX, Nova	EM4305, HDX, HITAG-S, Q5, Unique	EM4305, HDX, HITAG-S, Q5, Unique	Unique	Unique; FDX-b
User memory up to	128 bit	2048 bit	2048 bit	256 bit	2048 bit	64 bit	2048 bit	264 bit	2048 bit	160 bit	2048 bit	2048 bit	64 bit	128 bit
Reading distance up to	Dependent upon reader, environment and application									Dependent upon reader, environment and application				
Other frequencies	HF, UHF	UHF	HF, UHF		HF		HF			HF, UHF	HF	HF		
Dimensions <i>Refer to datasheets for other available sizes</i>	Ø 1.2 x 0.6 in (30 x 15 mm)	Ø 0.8 or 1.18 x 0.04 in (20 or 30 x 1 mm)	Ø 0.8 to 2.0 in (20 to 50 mm); thickness 0.1 in (3 mm)	0.98 x 1.0 x 0.44 in (25 x 25.8 x 11.2 mm)	Ø 0.5 x 0.1 in (12 x 2 mm)	Ø 0.6 x 0.1 in (16 x 3 mm)	Ø 1.34 x 0.31 in (Ø 34 x 8 mm)	Ø 1.0 x 0.2 in (26 x 4 mm)	Ø 0.8 to 2.0 in (20 to 50 mm); thickness 0.1 in (2 mm)	0.5 x 0.2 x 0.1 in (12 x 6 x 3 mm)	Multiple	Ø 0.06 to 0.2 in (1.4 to 4 mm); length 0.3 to 0.9 in (8 to 23 mm)	Ø 0.16 x 1.40 in (4 x 35.5 mm)	Ø 0.35 x 0.75 in (9 x 19 mm); cap Ø 0.6 in (15 mm)
Mount on metal	Yes									Yes				
Moisture resistance	IP67	IP67	IP68, IP69K	IP67	IP68		IP67	IP68		IP68	Customize to meet requirements	IP68	IP67	IP68
Food compatible	Yes													
Operating temperature	-40° to +158° F (-40° to +70° C)	-40° to +185° F (-40° to +85° C)	-40° to +194° F (-40° to +90° C)	-13° to +140° F (-25° to +60° C)	-13° to +185° F (-25° to +85° C)		-13° to +185° F (-25° to +85° C)	-13° to +185° F (-25° to +85° C)	-13° to +158° F (-25° to +70° C)	-40° to +194° F (-40° to +90° C)		-40° to +185° F (-40° to +85° C)	-13° to +185° F (-25° to +85° C)	-13° to +185° F (-25° to +85° C)
Peak temperature	194° F (90° C)	284° F (140° C)	284° F (140° C)		320° F (160° C)		266° F (130° C)	392° F (+200° C)	212° F (100° C)	284° F (140° C)		284° F (140° C)		
Flame resistant	Yes										Yes			
Standards <i>Compliant with standards and others listed</i>	DIN 30745 EN 14803		ATEX 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	ATEX 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		EN 14803	

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2018-11-15-hid-rfid-lf-frequency-lf-tags-ct-en
PLT-02390

PRODUCT COMPARISON CHART

BLE: Bluetooth Smart - 2.4 GHz

BEACONS

GATEWAYS



Product Family

BEEKs™

BluFi™

Sub-family

Plus

Lite

CM v2 / Cooler

Mini / Mini Tamper

Badge

Duress Badge

AC (US/EU/UK/AU)

DC (Battery)

DC (Plenum)

Description

BLE beacon without sensors to be used for Proximity Marketing, way-finding and/or real-time location (RTLS).

Rugged BLE condition monitoring beacon with embedded sensors to measure temperature, movement and vibration. Special "Cooler" versions support only off-line temperature logging.

Tiny BLE beacon with or without tamper evidence functionality that raises an alert when beacon is removed. Supports real-time location (RTLS).

Beacon badge that can be optionally combined with passive RFID card credentials for access control. Typically used for workplace optimization or emergency mustering.

BLE badge holder, into which a horizontally printed (RFID) ISO card can be inserted. Includes call button on the back that can raise an alert in the Bluzone console when in vicinity of a connected BluFi.

BluFi acts as gateway between BLE 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 features a rechargeable battery and directional antenna. Optional outdoor housing with solar panel available.

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.

Radio Type

Bluetooth Low Energy 4.1, 2.4 GHz ISM

Bluetooth Low Energy 4.1, Wifi 802.11 b/g/n

Bluetooth Sensitivity

-97dBm

-98dBm

Processor Type

ARM Cortex M3 and ARM Cortex M0

ARM Cortex M4 and ARM Cortex M3

Memory

55KB Flash (512 KB optional)

256KB Flash (100KB free for custom applications)

Protocols

Eddystone, iBeacon, sBeacon

Eddystone, iBeacon, sBeacon, WiFi

Power

Up to 8 year battery life

Up to 5 year battery life

Up to 3 year battery life

Up to 4 year battery life

100-240 VAC, 50/60 Hz

USB charger, up to 6 months battery life

N/A

Dimensions

2.41 x 1.46 in
(61.3 x 37.2 mm)

2.36 x 0.85 in
(60 x 21 mm)

1.3 x 0.3 in
(34.2 x 8.35 x 2.5 mm)

2.14 x 3.39 x 0.10 in
(54 x 86 mm)

2.5 in x 3.5 in x 0.19 in
(64 mm x 89 mm x 5 mm)

2 x 1.5 x 1.5 in
(50 x 38 x 38 mm)

3.4 X 3.2 X 1.2 in
(86.1 X 82.2 X 31.8 mm)

Affixation

3M VHB adhesive sticker

Epoxy glue

3M VHB adhesive sticker with metal foil

Clip

A/C power plug

Micro USB

USB Type A

Weight

2.7 oz (76 g)

1 oz (28 g)

1.39 oz (37 g)

0.24 oz (7 g)

0.5 oz (14 g)

0.85 oz (24 g)

1.7 oz (48 g)

9.3 oz (264 gr)

4.13 oz (117 g)

Water resistance

IP67

IP67

Operating temperature

-22° to +170° F
(-30° to +77° C)

-13° F to +185° F
(-25° C to +85° C)

-13° to +170° F
(-25° to +77° C)

-4° to +170° F
(-20° to +77° C)

-13° to +149° F
(-25° to +65° C)

-4° to +158° F
(-20° to +70° C)

Withstands Exposure To

Water and UV Resistant

Water

Water, Flame UL-2043

Compliant with

FCC / CE

FCC / CE / JRF / IC

FCC / CE

FCC/CE/UL/FRE; BLE; Wifi 2.4 GHz

FCC/CE; BLE; Wifi 2.4 GHz

Advanced BLE Beacons with sensor technology and multi-protocol support

BEEKs™ Bluetooth Low-Energy (BLE) 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 ecosystem, that includes BluFi™ BLE 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.

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