

PRODUCT COMPARISON CHART

Asset Tracking & Logistics



Product Name	Brick Tag Ceramic	InLine Ultra (Weld)	InLine Ultra Mini	SlimFlex Tag Standard		Seal Tag vTamper		Seal Tag eTamper		Seal Tag edTamper	World Tag		Epoxy Tag				
Application	Miniature UHF tags for tracking small metal assets	Robust high performance, general purpose UHF transponder for metal and non metal outdoor use		Flexible, ruggedized tag for industrial / outdoor environments		Robust RFID seals with built-in tamper evident, easy to fix cable tie and electronic tamper detection in selected models						Best general use price/performance ratio for indoor asset identification		Printable, engravable tag with high mechanical and thermal stability			
Frequency	865 MHz (EU) / 915 MHz (US)	860 - 960 MHz (Worldwide)		13.56 Mhz	860-960 MHz (Worldwide)	13.56 Mhz	860-960 MHz (Worldwide)		13.56 Mhz		860-960 MHz (Worldwide)	125 kHz		125 kHz	13.56 Mhz	860-960 MHz (Worldwide)	
Size	5x5x3, 10x5x3, 23x9x3 mm	105x35x15 mm (Weld) 105x35x10 mm (Slim weld)	24x0.7x0.3 (60x18x8mm)	83x25x3 mm / 83x25x6 mm (on metal)	77x25x3 mm (screw) 83x25x3 mm (slot) 87x25x3 mm (cable tie) 65x12x2 mm (mini)	85x25x3 mm, 60x12x2 mm (mini)		89 x 56 x 35 mm	23.3x17.5x 3.3 mm	39x39x 8.5 mm	39x14x3.6 mm	Ø20 or 30x2.1 mm	Ø50x2.1 mm	45x30x1.6 mm or Ø20 or 30x1 mm discs		83x25x1 mm	
Screw Hole			Ø4.5 mm	2x6 mm (slot)	Ø3 mm (screw) 2x6 mm (slot, mini) Ø7 mm (cable tie)	Cable Tie: 380x6.4x 2.15 mm, black	Cable Tie: 380x6.4x2.15 mm, 190x2.5x1.15 mm (mini), black	Cable tie: 450x9x2 mm, black	Seal wire : 65 mm, white		Seal wire : 78 mm, white	None or Ø3.2 mm	Ø4.2 mm	Ø5 mm		3 mm	
Standards / Protocol Support	ISO 18000-6C, EPC C1G2,	ISO 18000-6C, EPC C1G2, ISO 17364, DIN 40050-9		ISO 15693, ISO 18000-3	EPC C1G2, ISO 18000-6C	ISO 15693, ISO 18000-3	EPC C1G2, ISO 18000-6C		ISO 15693, ISO 18000-3	ISO 14443A - NFC Tag Type 4	EPC C1G2, ISO 18000-6C	N/A		N/A	ISO 14443A - NFC Tag Type 4	EPC C1G2, ISO 18000-6C	
Chip Type	Higgs 3, Monza R6-P	Monza 4QT	Monza R6	ICODE SLIX	Higgs 3	ICODE SLIX	Higgs 3	Higgs 4	ICODE SLIX	MIFARE DESFire EV1, Trusted Tag	UCODE G2iM+	HITAG S, Q5, Titan, Unique		HITAG S, Unique	Trusted Tag	Higgs 3	
Memory¹	64 bit TID, 96 bit EPC, 512 bit RW, 28/96 bit EPC, 32/64 bit UM	96 bit TID, 128 bit EPC, 512 bit RW	96 bit EPC, 48 bit TID	1024 bit RW	64 bit TID, 96 bit EPC, 512 bit RW	1024 bit RW	64 bit TID, 96 bit EPC, 512 bit RW	128 bit EPC, 64 bit TID, 128 bit RW	1024 bit RW	4 KBytes 8 KBytes	96 bit TID, 256 bit EPC, 112 bit RW	64 bit RO, 256 bit RW, 264 bit RW, 1024 bit RW, 2048 bit RW		64 bit RO, 256 bit RW	8 KB	64 bit TID, 96 bit EPC, 512 bit RW	
Anti-collision	Yes	Yes		Yes						HITAG S - Yes		HITAG S - Yes	Yes				
Reading Distance²	up to 3.3 ft (1 m)	up to 26.2 ft (8 m)	up to 9.8 ft (3 m)		up to 26 ft (8 m), 13.1 ft (4 m) for mini		up to 26 ft (8 m), 16 ft (5 m) for mini	up to 32.8 ft (10 m)			up to 6.5 ft (2 m)	N/A		N/A		up to 26.3 ft (8 m)	
Typical Use Environment	Metal	Metal, plastic, wood, glass		Plastic, dry wood, (HF on-metal version available)		Industrial bags, containers, equipment						Plastic, glass		Asset tracking or access control & time attendance		Asset tracking	
Mounting Method	Glue	Screw-on or weld		Glue or screw-on		Integrated cable tie						Glue or screw-on	Screw-on	Screw-on, keyring, chain		screw-on, glue or encapsulate	
Operating Temperature³	-40°C to +85°C	-40°C to +85°C		-40°C to +70°C						-40°C to +85°C	-25°C to +70°C	-40°C to +70°C		-25 °C to +70 °C		-25 °C to +85 °C	-40°C to +85°C
Storage Temperature³	-40°C to +85°C	-40°C to +85°C		-40°C to +70°C						-40°C to +90°C		-40°C to +70°C		-40 °C to +90 °C		-40 °C to +95 °C	-40°C to +85°C
Peak Temperature³	150°C	Shock -40° to +85°		Shock -40°C to +70°C						Shock -40°C to +90°C		-40°C to +70°C		+100 °C (100h)			+160 °C (1x10h)
Housing Material	Ceramic	PC-ABS		TPE		TPE / Nylon 6.6				PC		PC/ABS	PC		Epoxy		
Chemical and Environmental Resistances⁵	Water, IP67 (1m, 1h), Salt mist, Petroleum, Mineral and vegetable oils	Water, IP69K (100 bar at 80°C, 30 sek., 16 l/min), salt mist, petroleum, oils, humidity 70%/80%		Water, IP68 (2m, 24h), Salt mist, Petroleum, Mineral and vegetable oils, UV resistant							Water, IP65	Flame resistant UL94V0	N/A		Water, IP69K (100 bar at 80°C, 30 sek., 16 l/min), Salt Mist, Petroleum, Oils		
Mechanical Resistances⁵		Vibration IEC 68.2.6, shock IEC 68.2.29, impact IEC 62262-IK09	Vibration IEC 68.2.6, Shock IEC 68.2.29, Impact IEC 62262-IK07	Vibration IEC 68.2.6, Shock IEC 68.2.29, Impact IEC 62262-IK06		Vibration IEC 68.2.6, Shock IEC 68.2.29, Impact IEC 62262-IK06, Cable tie pull resistance >600N		Vibration IEC 68.2.6, Shock IEC 68.2.29, IEC 62262-IK08, Cable tie pull resistance >600N		Vibration IEC 68.2.6, Shock IEC 68.2.29				Vibration IEC 68.2.6, Shock IEC 68.2.29, 100 drops 1.8 m			
Axial / Radial Force³		1000N		1000N								500N	500N / 300N (10 sec)	500N / 100N (10 sec)	N/A		1000N (10 sec)
Warranty⁴	2 Years	2 years		2 years						2 years		2 years		2 years			

