PRODUCT COMPARISON CHART

Asset Tracking & Logistics

Product Name	InLine Ultra (Weld)	InLine Ultra Slim (Weld)	SlimFlex	World Tag		Jewelry Tag	Tamper Evident Jewelry Tag	Epoxy Tag (key fob)	
Application	Robust high performance, general purpose UHF transponder for metal and non metal outdoor use		Flexible, ruggedized UHF tag for industrial / outdoor environments	Best general use price/performance ratio for indoor asset identification		Tag to track and inventory high-value merchandise like jewelry		Printable, engravable tag with high mechanical and thermal stability, suits most standard applications for access control or time and attendance	
Frequency	865-956 MHz (EU, US, JP)		860-960 MHz (EU, US, JP)	125 kHz		13.56 MHz		125 kHz	13.56 Mhz
Size	97x27x15 mm (Ultra) 105x35x15 mm (Ultra weld)	97x27x9 mm (Ultra) 105x35x9 mm (Ultra weld)	77x25x3 mm	Ø20 or 30x2.1 mm	Ø50x2.1 mm	22x16.5x3.3 mm	Ø16.5x22.75x2.5 mm	45x30x1.6 mm	
Screw Hole	Ø5.2 mm or optional steel ring to weld		Ø3 mm	none or Ø3.2 mm	Ø4.2 mm	85 mm (Nylon or cotton string optional)	60 mm wire length	Ø5 mm	
Standards / Protocol Support	ISO 18000-6C, EPC C1G2, ISO 17364		EPC C1G2, ISO 18000-6C			ISO 15693, ISO 18000-3			ISO 15693, ISO 18000-3
Chip Type	Monza 4QT		Higgs 3	Hitag S, Q5, Titan, Unique		I-code SLIx-L		Hitag S, Unique	I-code SLIx
Memory[1]	96 bit TID, 128 bit EPC, 512 bit RW		64 bit TID, 96 bit EPC, 512 bit RW	64 bit RO, 256 bit RW, 264 bit RW, 1024 bit RW, 2048 bit RW		512 bit RW		64 bit RO, 256 bit RW	1024 bit RW
Anti-collision	Yes		Yes	Hitag S - Yes		Yes		Hitag S - Yes	Yes
Reading Distance[2]	up to 26.2 ft (8 m)	up to 16.4 ft (5 m)	Up to 19.7 ft (6 m)						
Typical Use Environment	Metal, Plastic, Wood, Glass		Plastic, dry wood	Plastic, glass		Valuable assets in stores e.g. jewelry		Access control & time attendance	
Mounting Method	Screw-on or Weld		Glue or screw-on	Glue or screw-on	Screw-on	Attach with string		Keyring, chain	
Operating Temperature[3]	-40°C to +80°C		-40°C to +70°C	-25 °C to +70 °C		0 °C to +60 °C		-25 °C to +85 °C	
Storage Temperature[3]	-40°C to +80°C		-40°C to +70°C	-40 °C to +90 °C		-20 °C to +85 °C		-40 °C to +95 °C	
Peak Temperature[3]	Shock -40° to +85°		Shock -40 to +90°	+130 °C (100h)	+100 °C (100h)			+140 °C (1x24h)	
Housing Material	PC-ABS		TPE	PC		PC		Epoxy	
Chemical and Environmental Resistances[3]	Water, IP68 (1m, 24h), Salt Mist, Petroleum, Oils, Humidity 70°/80%		Water, IP68 (1m, 24h), Salt mist, Petroleum, Mineral and vegetable oils					Water, IP67 (1m, 1h), mineral oil, ethanol, petrol, fuel	
Mechanical Resistances[3]	Vibration IEC 68.2.6, Shock IEC 68.2.29, Impact IEC 62262-IK09		Vibration IEC 68.2.6, Shock IEC 68.2.29	Vibration IEC 68.2.6, shock IEC 68.2.29,				Drop test 1.8m (10x10 cycles)	
Axial / Radial Force[3]	1000N		1000N	500N / 300N (10 sec)	500N / 100N (10 sec)				
Warranty[4]	7 years		2 years	2 years		2 years		2 years	

1 Unique (64 bit RO), Q5 (264 bit RW), Hitag S (32 bit RO, 256 bit RW, 2048 bit RW), EM4305 (512 bit RW), I-Code SLIx-L (512 bit EEPROM, incl. 256 bit user memory), I-Code SLIx (1024 bit EEPROM, incl. 896 bit user memory), I-Code SLIx-S (2048 bit EEPROM, incl. 1280 bit user memory), Titan (1024 bit RW)
2 Read range is strongly dependent upon multiple parameters including reader, environment and application. HID Global tags are tested and proven to be at the top of their class.
3 For further specification details, please see datasheets of the respective products.
4 Storage condition must not exceed specification for temperature, chemical, mechanical, electrical condition, storage from -25°C to + 50°C, humidity 20% to 80%

Finding what you need

HID Global has many more products to offer than fit on this page. Please refer to **hidglobal.com** or contact an HID representative for further assistance in evaluating these tags or selecting a solution that best fits your particular requirements.

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