Commercial Laundry

Product Name	LinTRAK®	MuTRAK	SlimTRAK	BluTAG	Logi Tag 161		Logi Button Tag 162	Logi Tag 120	Logi Tag 160
Application	Flexible UHF tag for linen, garments or other laundry	Ultra-Small and Robust Tag and easily integrates into RFID applications requiring discreet placement.	UHF Tag for metallic laundry cages identification and tracking.	Thin disc specifically designed to identify linen and textile products.	Mechanical, chemical and temperature resistant tags for harsh environments such as laundries				
Frequency	865 MHz (EU) / 915 MHz (US)			13.56 MHz	13.56 MHz			125 kHz	
Size	max. 70x15 mm	7 x 7 mm	83 x 25 mm	Ø15 mm	Ø16x3 mm		Ø16x2.5 mm	Ø12.4x2 mm	Ø16x3 mm
Standards / Protocol Support	EPC C1G2, ISO 18000-63	EPC C1G2, ISO 18000-63	EPC C1G2, ISO 18000-6C	ISO 15693, ISO18000-3	ISO 15693, ISO 18000-3, ATEX			ATEX	
Chip Type[1]	Monza M730, Monza M5, Monza R6-P	Monza M730	Monza R6-P	EM4033	ICODE SLIX2	F-Mem	ICODE SLIX 2	HITAG S, Q5, Unique	Unique
Memory	128 bit EPC, 96 bits EPC	128 bits EPC	28/96 bit EPC, 32/64 bit UM	64 bit	2560 bit UM	8 Kbyte FRAM	2560 bit UM	64 Bit RO, 256 bit RW, 264 bit RW, 2048 bit RW	64 bit RO
Anti-collision	Yes				Yes			HITAG S - Yes	N/A
Reading Distance[2]	Up to 26 ft (8m)	Up to 4 inches (10 cm)	Up to 26.2 ft (8 m)		Up to 13.4" (34 cm)			N/A	
Mounting Method	sew, heat-seal, embed	Sew into hem, glue	Rivet, Glue	sew into, glue, embed	sew into, glue, embed		sew-on	Embed in cloth	
Operating Temperature[3]		-40°C to +85°C		-25 to +85 C	-25°C to +85°C			-25°C to +85°C	-40°C to +85°C
Storage Temperature[3]		-40°C to +85°C		-40 to +85 C	-40°C to +85°C			-40°C to +130°C	-40 °C to +120 °C
Peak Temperature[3]	428°F (220°C) / 30 seconds	392°F (200°C)	284°F (140°C), 24h		+120 °C (100h), Heat patch +220°C (30s)		+120 °C (100h)	+160 °C (35h)	
Spin Dryer / Tunnel Finisher[3]		365° F (185° C) / 30 minutes			+175 °C (100 x 10 min)			N/A	+175 °C (100 x 10 min)
Thermal Shock[3]					20°C to +160°C (100 x 5 min)			-20°C to +160°C (100 x 5 min)	
Housing Material	Cotton	Epoxy		PPS	PPS			PPS with epoxy potting	Epoxy
Chemical and Environmental Resistances[3]	All standard chemicals used in laundry process				Water, IP68 (1m, 24h), Industrial laundry detergent pH 10-11, Neutralizing agent, Hydrogen peroxide 5%, Perchlorethylen			Water IP68 (1m, 24h), saltwater, gasoline, oil, HCL, bleach, formic acid, caustic soda	
Mechanical Resistances[3]	Vibration IEC 68.2.6, Shock IEC 68.2.29, 100 drops 1.8 m							Vibration IEC 68.2.6, shock IEC 68.2.29	
Axial / Radial Force[3]			50 N, 1 x 10 sec		1000N / 1000N (10 sec)	800 N / 500 N (10 sec)	1000N / 1000N (10 sec)	800N / 500N (10 sec)	1000N / 1000N (10 sec)
Pressure[3]	60 bars (extraction press)		70 bars (5 min, isostatic)		70 bars (10 sec., isostatic)			70 bars (3 min, isostatic)	
Warranty[4]	3 years				2 years				

* For further specification details, please see datasheets of the respective products. Unique and I-Code SLIx have a minimum operating temperature of -40°C, previous chip generations had -25°C.
  Read range is highly dependent upon multiple parameters including reader, environment and application. HID Global tags are tested and proven to be at the top of their class.
*1) Unique (64 bit RO), Q5 (264 bit RW), Hitag S (256 bit RW, 2048 bit RW), Vigo (1024 bit RW)
   ICODE SLIX (1024 bit EEPROM, incl. 896 bit user memory), ICODE SLIX2 (2560 bit user memory)
*4) Warranty: Storage condition must not exceed specification for temperature, chemical, mechanical, electrical condition, storage from -25°C to + 50°C, humidity 20% to 80%

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COMPARISON CHART

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