

PRODUCT COMPARISON CHART

Commercial Laundry



Product Name	LinTag™	SlimFlex Laundry 2G	Logi Tag 161	Logi Button Tag 162	Logi Tag 120	Logi Tag 160
Application	Flexible UHF tag for linen, garments or other laundry	Flexible small UHF Tag for garments or plastic equipment	Mechanical, chemical and temperature resistant tags for harsh environments such as laundries		Mechanical, chemical and temperature resistant tags for harsh environments such as laundries	
Frequency	860-960 MHz (Worldwide)		13.56 MHz		125 kHz	
Size	max. 64x28 mm	55x12x2.2 mm	Ø16x3 mm	Ø16x2.5 mm	Ø12.4x2 mm	Ø16x3 mm
Standards / Protocol Support	EPC C1G2, ISO 18000-6C		ISO 15693, ISO 18000-3, ATEX		ATEX	
Chip Type¹	MONZA M5	Higgs 3	ICODE SLIX (2)	ICODE SLIX-2	HITAG S, Q5, Unique	Unique
Memory	128 bit EPC	96 bit EPC, 64 bit TID, 512 bit RW	1024 bit RW 2560 bit RW	2560 bit RW	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 Distance²	up to 23 ft (7 m)	up to 14.7 ft (4.5 m)	Up to 13.4" (34 cm)		N/A	
Mounting Method	Stitch, heat-seal, embed	Embed, glue	Embed in cloth	Sew-on	Embed in cloth	
Operating Temperature³	-40°C to +85°C		-40 °C to +85 °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 +130 °C	-40 °C to +120 °C
Peak Temperature³	+120 °C (100h), Heat patch +220°C (10s)		+120 °C (100h), Heat patch +220°C (30s)	+120 °C (100h)	+160 °C (35h)	
Spin Dryer / Tunnel Finisher³	365° F / 185° C (15 min.)		+175 °C (100 x 10 min)		N/A	+175 °C (100 x 10 min)
Thermal Shock³	+68° to +320° F (+20° to +160° C), 200 x 5 min with 30 sec transition		20°C to +160°C (100 x 5 min)		-20°C to +160°C (100 x 5 min)	
Housing Material	Cotton and polyester	TPE	PPS		PPS with epoxy potting	Epoxy
Chemical and Environmental Resistances³	Water, oil and all commercial washing detergents, up to 200 washing cycles	Water IP68 (1m, 24h), mineral oil, petroleum, salt mist, vegetable oil, HCL (10%), Bleach (5%); UV light; food compatible	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 Resistances³	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, 100 drops 1.8 m		Vibration IEC 68.2.6, shock IEC 68.2.29	
Axial / Radial Force³	1000N / 1000N (10 sec)		1000N / 1000N (10 sec)	N/A	800N / 500N (10 sec)	1000N / 1000N (10 sec)
Pressure³	60 bars (extraction press)	70 bars (5 min, isostatic)	70 bars (10 sec., isostatic)		70 bars (3 min, isostatic)	
Warranty⁴	3 years		2 years		2 years	

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¹ Unique (64 bit RO), Q5 (264 bit RW), HITAG S (256 bit RW, 2048 bit RW), ICODE SLIX-L (512 bit EEPROM, incl. 256 bit user memory), ICODE SLIX (1024 bit EEPROM, incl. 896 bit user memory), ICODE SLIX (1024 bit EEPROM, incl. 896 bit user memory), ICODE SLIX2 (2560 bit user memory)
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. Unique, and ICode SLIX have a minimum operating temperature of -40°C, previous chip generations had -25°C.

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%