

TINY TEXTILE TAGS THAT ENDURE UP TO 300 COMMERCIAL LAUNDRY CYCLES

- **Easy application** – attach discreetly via hem, stitch or heat-seal – no pocket needed
- **Extreme durability** – resistant up to 300 commercial laundry and dry cleaning cycles
- **Reliable performance** – consistent readability cycle after cycle

HID Global LinTag™ transponders apply securely and discreetly to textiles, enabling RFID tracking of high-volume, commercially laundered bed linens, towels and garments.

In contrast to garments like uniforms, linen like bed sheets or towels are washed more frequently and have to endure a tougher cleaning and drying process. Historically, this made using RFID to optimize inventory and accounting processes difficult or impossible to implement for linen. HID Global's LinTag robust design combats the industrial wash cycles for linens, withstanding the rigors of repeated washings, cleaning chemicals, sterilizing heat, and pressure. The patented design securely positions the inner chip relative to the antenna, which guarantees consistent performance over the life of the tag.

Encased in highly durable cotton-polyester fabric, LinTag units allow inconspicuous RFID tag placement into textiles. LinTag heat-seal units attach effortlessly via heat-transfer adhesive. LinTag Stitch units allow them to be directly stitched onto or seamed into fabric without the need for

an extra pouch or cover saving time and costs for application. LinTag Embed units can be sewn into a small hem or pocket to accommodate existing processes.

Industrial laundries and commercial cleaners are using RFID technology to improve inventory control, reduce labor requirements, and optimize the lifecycle management of individual textiles and garments. Real-time traceability delivers more accurate and timely billing, and enhances customer satisfaction.

Healthcare organizations are also tagging linens and gowns to monitor usage and inventories, automate distribution, and reduce shrinkage and staffing needs, relying on LinTag transponders to survive repeated cleaning and sterilization processes.

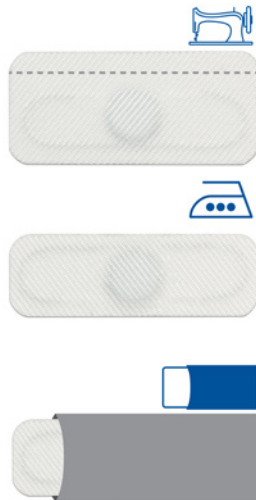
UHF LinTag units deliver 128 bit EPC, anti-collision functionality, fast data rate communication and read ranges of up to 10 ft (3 m).

TECHNOLOGY HIGHLIGHTS:

- UHF EPC Class 1 Gen 2 and ISO 18000-6C, 128 bit EPC
- Efficient application via hem, stitch or heat-seal adhesive (no pocket needed)
- Patented design ensures reliable performance over tag life
- High water, chemical, heat and pressure resistance
- Withstands up to 300 commercial washing cycles
- Fabric housing masks and protects RFID chip and antenna

APPLICATION AREAS:

- LAUNDRY
 - Banquet and restaurant linens
 - Hospitality bed linens and towels
 - Uniform and work wear management
- MEDICAL AND HEALTH
 - Gown and linen tracking
 - Supply and inventory management
 - Surgical counts



SPECIFICATIONS

	LinTag™					
	EU			US		
	Embed	Stitch	Heat-seal	Embed	Stitch	Heat-seal
Base Model Number	6B6993	6B6995	6B6997	6B6994	6B6996	6B6998
ELECTRONIC						
Operating Frequency	869 MHz			915 MHz		
Chip Type	NXP UCODE G2IL					
Memory	128 bit EPC, 64 bit TID					
Anti-Collision	Yes					
Reading Distance (2W reader ERP, free space)	Up to 10 ft (3 m)					
PHYSICAL						
Length x Width	2.0 x 0.6 in (50 x 16 mm)	2.0 x 0.9 in (50 x 22 mm)	2.0 x 0.6 in (50 x 16 mm)	1.9 x 0.6 in (48 x 16 mm)	1.9 x 0.9 in (48 x 22 mm)	1.9 x 0.6 in (48 x 16 mm)
Thickness	1.7 mm at module, 1.0 mm over rest of tag					
Mounting Method	Sew into hem or pouch	Stitch onto fabric	Heat-seal	Sew into hem or pouch	Stitch onto fabric	Heat-seal
Affixes To	Linens and garments					
Housing Material	Cotton and polyester					
Color	White					
Weight	0.04 oz (1 g)					
CHEMICAL AND MECHANICAL RESISTANCE						
Vibration	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]					
Shock	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]					
Impact	IEC 62262-IK06					
Axial/Radial Force	1000 N, 10 sec					
Mechanical Tests	Bending (500 times 10 mm radius), twisting (500 times 180°), drop test (100 times 0.6 ft / 1.8 m)					
Extractor Press	60 bar					
THERMAL (AIR)						
Storage	-40° to +185° F (-40° to +85° C) 1 x 1000 h					
Operating	-40° to +185° F (-40° to +85° C)					
Peak	248° F (120° C) 100 h					
Shock/Fatigue	+68° to +320° F (+20° to +160° C), 200 x 5 min with 30 sec transition					
WASHING						
Withstands Exposure To	Water and all chemicals common to commercial laundry and dry cleaning					
Washing Cycles	Up to 300 commercial wash cycles					
Washing	194° F (90° C) 15 min					
Drying	248° F (120° C) 20 min					
Tunnel Finisher	365° F (185° C) 15 min					
Ironing	+ 428° F (220° C) 20 bars 10 x 10 sec., a thin tissue is placed between the iron and the tag					
OTHER						
Standards	UHF EPC Class 1 Gen 2, ISO 18000-6C					
Box Size	1,000 pcs per bag; 5,000 pcs per carton					
Warranty	3 Years					



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