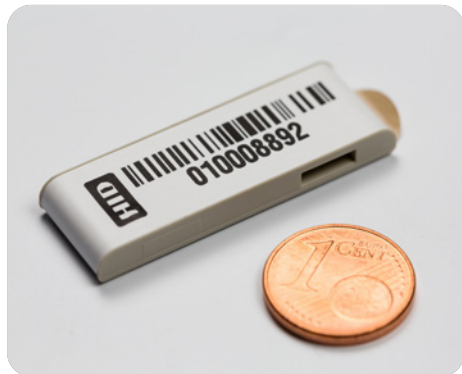


TapMark™ Tags



SLIM RAIN® UHF TRANSPONDERS MOUNT TO SURFACE OF ANY INDOOR ASSET

- **Small, thin-profile tags** for seamless identification of indoor assets
- **Broadband RAIN UHF tag** delivers read ranges up to 9.8 ft (3 m) whether mounted to metal, plastic or wood
- **A variety** of mounting options allow tag fixation to virtually any surface

HID Global TapMark™ UHF tags provide unique identities to each of the thousands of indoor assets like office furniture, technical equipment or IT assets within complex datacenters. The RAIN® UHF RFID technology of the TapMark™ tags helps to rapidly locate each component and uniquely identify it for inventory or maintenance purposes.

Small, thin-profile TapMark transponders are available with a variety of mounting options – including zip-ties, industrial adhesives, magnets and screws – for affixing to any surface, including metal. Two types of high-bond stickers are available to affix the tag on even or uneven surfaces with excellent durability. A special antenna design allows the tag to be optionally affixed with a metallic screw right through the middle of the tag for optimal fit without affecting tag performance.

The Monza R6 chip provides 96 bit read/write EPC memory delivering read rates up to three times faster than previous generation tags. Further, the Monza R6 TagFocus™ feature improves read reliability, especially where large, dense populations of tags are present and its AutoTune™ functionality compensates for changing environmental conditions to retain optimal performance.

With TapMark tags in place; datacenter and facilities managers can perform faster, more accurate inventories, easily locate individual components, and implement automated security routines. Hardware can be optimized throughout its lifecycle, and easily identified when maintenance or replacement is required.

HID Global TapMark tags are delivered in white by default, but may be ordered personalized with custom encoding, printed logos, Bar-/QR-code or text.






TECHNOLOGY HIGHLIGHTS:

- Multiple fixation options: zip-tie, stickers, screw, magnet
- Broadband 865 to 956 MHz, on or off metal
- Monza R6 IC, 96 bit read/write EPC memory
- Read range up to 9.8 ft (3 m)
- EPC Global Class 1 Gen 2, ISO 18000-6C
- Custom printing and encoding options

APPLICATION AREAS:

- **Asset tracking and logistics**
 - Information technology (IT) system components
 - Blades, routers, servers, etc.
 - PCs, Laptops, Monitors, Printers
 - Office furniture
 - Indoor equipment e.g. water cooler, fridges, projectors, etc.

SPECIFICATIONS

	TapMark™ UHF Tags				
	Standard	Sticker	Magnet	Screw	Foam Sticker
					
Base Model Number	6F1950 6F1950-020 (1D barcode)	6F1950-001 6F1950-021 (1D barcode)	6F1950-002	6F1950-003	6F1950-004
ELECTRONIC					
Operating Frequency	865-956 MHz (worldwide)				
Chip Type	Monza R6				
Memory	96 bit read/write				
Anti-Collision	Yes				
Reading Distance	9.8 ft (3 m)				
PHYSICAL					
Dimensions	1.5 × 0.5 × 0.2 in (38 × 13 × 4.3 mm)	1.5 × 0.5 × 0.2 in (38 × 13 × 4.5 mm)	1.5 × 0.5 × 0.25 in (38 × 13 × 6.0 mm)	1.5 × 0.5 × 0.2 in (38 × 13 × 4.3 mm)	1.5 × 0.5 × 0.2 in (38 × 13 × 5.4 mm)
Mounting Method	Zip-tie or apply Adhesive Glue	3M Acrylate Adhesive Sticker	3M Plastiform Flexible Magnet	Pre-drilled screw hole ø 2.7 mm	Lintec Acrylate Adhesive Sticker
Affixes to	Any material, including metal				
Target Surface	Even surface or supporting zip-tie	Even surface	Magnetic even surface	Supporting screws	Rough, uneven or curved surface
Housing Material	ABS holder, PET label				
Color	Grey holder, White label				
Weight	0.07 oz (2.0 g)		0.15 oz (4.3 g)	0.07 oz (2.0 g)	
CHEMICAL AND MECHANICAL RESISTANCE					
Water	IP67, 1 m × 1 h				
Withstands Exposure To	68° F (20° C), 100 h				
Axial / Radial Force	500 N, 10 sec, 5 times				
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]				
Electrostatic Discharge	± 2kV, 2 times				
Peel Adhesion		up to 81 N (8.2 kg), 180 degree peel, 72 °F [22 °C], 24 h dwell time	up to 2 N (0.2 kg), 180 degree peel		up to 121 N (12.3 kg), 180 degree peel, 72 °F [22 °C], 24 h dwell time
THERMAL					
Storage	-40° to +158° F (-40° to +70° C), 1000 h				
Operating	-40° to +158° F (-40° to +70° C)				
Shock/Fatigue	-40° to +158° F (-40° to +70° C), 100 × 5 min with 30 sec transition				
OTHER					
Standards	EPC Global Class 1 Gen 2, ISO 18000-6C				
Options	1D barcode, printed logo or custom info, laser imprint on side, encoding				
Quantity Per Box	240 pcs per box; 960 pcs per carton (for magnet or foam sticker tags), 280 pcs per box; 1,120 pcs per carton (all others)				
Warranty	2 years				