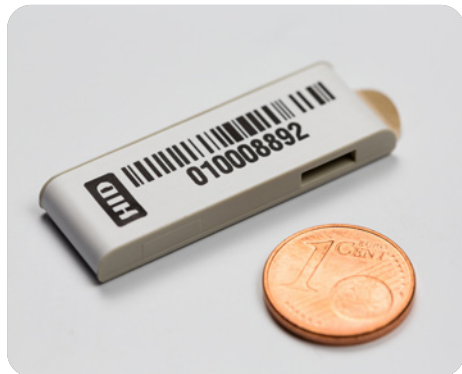


# TapMark™ Tags



## 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.

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.

### 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

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.

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.

### 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
<b>Base Model Number</b>	6F1950 6F1950-020 (ID barcode)	6F1950-001 6F1950-021 (ID barcode)	6F1950-002	6F1950-003	6F1950-004
<b>ELECTRONIC</b>					
<b>Operating Frequency</b>	865-956 MHz (worldwide)				
<b>Chip Type</b>	Monza R6				
<b>Memory</b>	96 bit read/write				
<b>Anti-Collision</b>	Yes				
<b>Reading Distance</b>	9.8 ft (3 m)				
<b>PHYSICAL</b>					
<b>Dimensions</b>	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)
<b>Mounting Method</b>	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
<b>Affixes to</b>	Any material, including metal				
<b>Target Surface</b>	Even surface or supporting zip-tie	Even surface	Magnetic even surface	Supporting screws	Rough, uneven or curved surface
<b>Housing Material</b>	ABS holder, PET label				
<b>Color</b>	Grey holder, White label				
<b>Weight</b>	0.07 oz (2.0 g)		0.15 oz (4.3 g)	0.07 oz (2.0 g)	
<b>CHEMICAL AND MECHANICAL RESISTANCE</b>					
<b>Water</b>	IP67, 1 m × 1 h				
<b>Withstands Exposure To</b>	68° F (20° C), 100 h				
<b>Axial / Radial Force</b>	500 N, 10 sec, 5 times				
<b>Vibration</b>	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]				
<b>Shock</b>	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]				
<b>Electrostatic Discharge</b>	± 2kV, 2 times				
<b>Peel Adhesion</b>		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
<b>THERMAL</b>					
<b>Storage</b>	-40° to +158° F (-40° to +70° C), 1000 h				
<b>Operating</b>	-40° to +158° F (-40° to +70° C)				
<b>Shock/Fatigue</b>	-40° to +158° F (-40° to +70° C), 100 × 5 min with 30 sec transition				
<b>Peak</b>	482° F (250° C), 1 min				
<b>OTHER</b>					
<b>Standards</b>	EPC Global Class 1 Gen 2, ISO 18000-6C				
<b>Options</b>	1D barcode, printed logo or custom info, laser imprint on side, encoding				
<b>Quantity Per Box</b>	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)				
<b>Warranty</b>	2 years				



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