HID

InLine Tag™ Plate

WAFER-THIN HF/UHF ASSET TAGS FOR CONTAINERS OR METALLIC EQUIPMENT

- **Durability** – Resistant to outdoor elements as well as blunt and sharp impact.
- **Versatility** – Thin plates mount flush with glue or screws to any material.
- **Visibility** – Large surface may be printed or laser-engraved with logo, barcode, serial number or text.

TECHNOLOGY HIGHLIGHTS:

- HF 13.56 MHz HID Trusted Tag® version NFC compatible for authenticated maintenance
- RAIN UHF Worldwide operating frequencies from 860 to 960 MHz (off-metal) or specialized (on-metal)
- Fully interoperable; standards-compliant
- Reliable performance on both metal and non-metal surfaces
- Waterproof under high pressure and temperature; chemical and impact resistant
- Mount with glue, nails, or screws

HID Global InLine Tag™ Plate transponders are the ideal solution for tagging shipping containers or other metallic assets. Less than two-tenths of an inch (3.7 mm) thick, these tags mount flush to any surface. The high impact polycarbonate housings shield internal components from the environmental extremes and rugged treatment of industrial freight operations.

Standard grey RAIN UHF InLine Tag Plates provide excellent contrast for imprinting. HID can also produce plates in any color you choose. The large surface accommodates embossing, laser-engraving or adhesive labels for a logo, barcode, serial number or text message.

Tough and versatile, InLine Tag Plate transponders are available for mounting on metal, plastic or wood using standard nails, screws or industrial adhesives.

The tags are lightweight, dust tight, waterproof and protected against close-range high pressure, high temperature spray downs (IP69K).

InLine Tag Plates UHF improve data collection speed and accuracy for logistics applications, while making tracking more cost-effective. UHF technology enables anti-collision functionality, fast data-rate communication and password data protection for precise, reliable tracking and updating. The plates can be read from distances of up to a 26 ft (8 m), and are compliant with EPC global-certified UHF Class 1 Gen 2 readers and modules.

The smaller HF/NFC asset tags utilize HID Trusted Tag® Services for authentic "proof of presence" while remaining fully NFC compatible without requiring a special APP.

InLine Plate Asset tags help organizations to implement accurate maintenance billing of serviceable equipment preventing fraud while providing an enhanced user interface for service technicians through their NFC phones.

The white asset tag version may be printed or laser engraved from stock, while the transparent version is custom built upon order with printing underneath the transparent housing for increased robustness and durability of the optical personalization.

For more information, contact tagsales@hidglobal.com

APPLICATION AREAS:

- **Asset Tracking and Logistics**
  - Postal and road toll management: truck, wagon and train tracking
  - Supply chain management: pallet and goods tracking
- **Automation and Manufacturing**
  - Materials and inventory and tracking

- **Returnable Transport Items**
  - Shipping container tracking
- **Waste Management**
  - Commercial and industrial bin identification
- **Maintenance and Inspection**
  - Trusted "proof of presence"
  - Supports CMMS (Computerized Maintenance Management System) via NFC

SPECIFICATIONS

	InLine Tag™ Plate		
	EU	**US**	**Asset Tag**
Base Model Number	6C698A	6C698B	7H5901-101 (White) 7H5900-100 (Transparent)
ELECTRONIC			
Operating Frequency	860-960 MHz (Worldwide) off-metal; 865-868 MHz (ETSI) on-metal	860-960 MHz (Worldwide) off-metal; 902-928 MHz (FCC) on-metal	13.56 MHz
Chip Type	Monza 4E		HID Trusted Tag
Memory	496 bit EPC + 96 bit TID + 128 bit user		8 KB
Anti-Collision	Yes		
Reading Distance (2W reader ERP, free space)	Up to 26 ft (8 m) off-metal; 20 ft (6 m) on-metal		
PHYSICAL			
Dimensions	4.7 × 2.7 × 0.14 in (120 × 68 × 3.7 mm)		1.2 × 2.5 × 0.12 in (30 × 65 × 3.5 mm)
Mounting Method	Glue, nail or screw		Glue, cable tie
Screw Fixation Hole	Ø 0.16 in (4.2 mm)		0.47 in (12 mm)
Affixes To	All surfaces, including metal, plastic, wood		All surfaces, including metal, plastic, wood
Housing Material	PC/ABS high impact		PC/PC Makrolon 2407
Color	Pantone warm gray 2U		White; Transparent
Weight	1.0 oz (27 g)		0.28 oz (8.5 g)
CHEMICAL AND MECHANICAL RESISTANCE			
Water	IP69K, 176° F (80° C), 100 bar, 30 sek. 16 l/min		IP68, 6.6 ft. (2 m) x 24 h
Withstands Exposure To	Mineral oil, petroleum, salt mist, vegetable oil		Alcohol, aqueous solution of salts, fuel B, ammonium chloride (25%), hydrochloric acid (10%), salt water
Environmental Test Conditions	68° F (20° C), 100 h		
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	500 N, 10 sec		
THERMAL			
Storage	-40° to +185° F (-40° to +85° C), 1 x 1000 h		
Operating	-40° to +185° F (-40° to +85° C)		
Shock/Fatigue	-40° to +185° F (-40° to +85° C), 100 x 5 min with 30 sec transition		
OTHER			
Standards	UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364		ISO 14443A - NFC Tag Type 4
Options	Custom colors. Embossing or laser-engraving of logo, barcode or text. (Standard tags have no laser-engraving.)		Surface printing; laser engraving (white model only). Encoding: All tags need to be ordered with your URL programmed by HID.
Box Size	240 pcs.		300 pcs.
Warranty	2 Years		

hidglobal.com

North America: +1 512 776 9000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 9171 1108

Part of ASSA ABLOY

For more information, contact tagsales@hidglobal.com