

Industrial On-Metal RFID Hard Tag

MODEL: TRF-9625-H9



The **TRF-9625-H9** is a high-performance, rugged UHF RFID hard tag engineered specifically for placement on metallic assets. Powered by the advanced **Alien Higgs 9 IC**, it delivers an exceptional on-metal read range of up to 7 metres from fixed readers. Enclosed in a highly impact-resistant ABS shell, this tag supports dual mechanical holes (screw/rivet) and industrial adhesive mounting, making it optimised for severe indoor and outdoor industrial supply chains.

ELECTRICAL & RF SPECIFICATION

Protocol	EPC global Class 1 Gen 2 / ISO 18000-6C
Frequency	ETSI: 865-868MHz FCC: 902-928MHz (Available on request)
IC Type	Alien Higgs 9
EPC Memory	96 bits (Expandable to 496 bits)
User Memory	688 bits
Read Range	6.0 – 7.0 metres (Tested on solid metal via Fixed Reader at 30dBm)
Data Retention	50 Years
Write Endurance	100,000 cycles

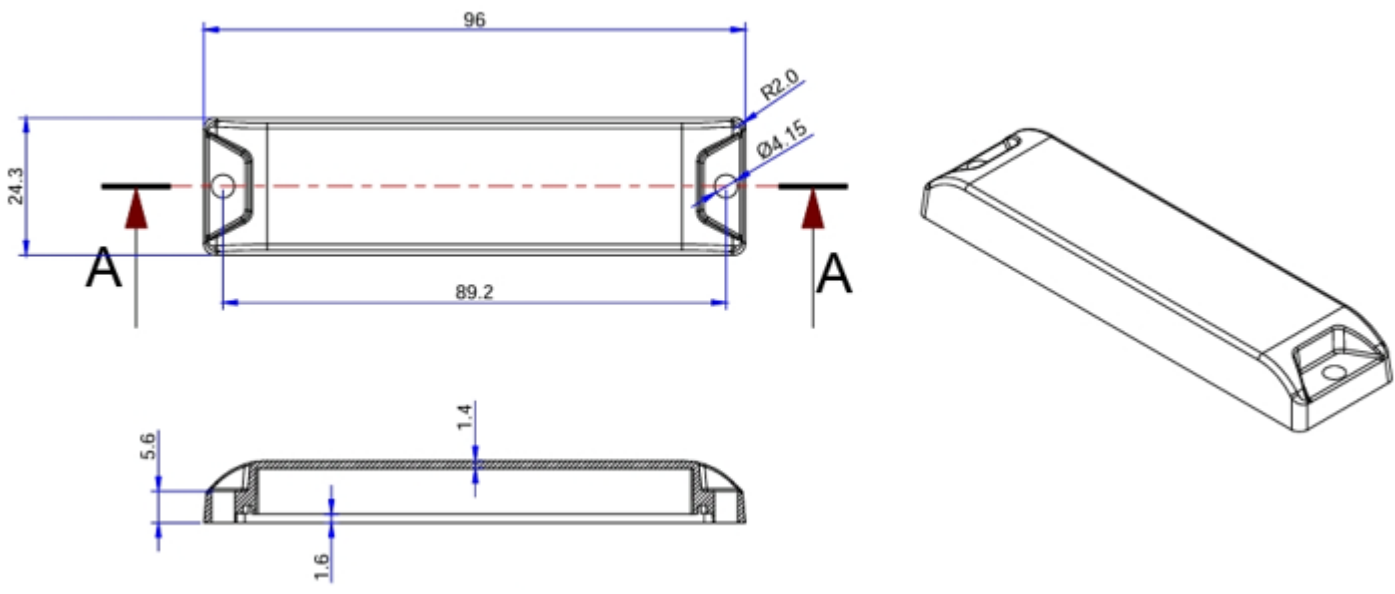
PHYSICAL & ENVIRONMENTAL

Dimensions	96 mm x 25 mm x 11 mm (3.78" x 0.98" x 0.43")
Casing Material	High-Grade Industrial ABS Plastic
Standard Color	Ivory/Off-White
Weight	~14 grams
Mounting Methods	Dual Screw/Rivet Holes (Fits M3/M4 Fasteners) or Pre-applied 3M Foam / VHB Industrial Tape
IP Rating	IP67 / IP68 (Dust tight & water immersion resistant)
Temperature	Operating: -40°C to +85°C Storage: -40°C to +85°C
Chemical Resistance	Resistant to industrial motor oils, light chemical splashes, and salt mist

FACTORY CUSTOMIZATION OPTIONS

- **Data Pre-Programming:** Pre-programmed/encoded EPC memory block sequencing executed directly at manufacturing level.
- **Laser Engraving:** Customized logo, text, barcode can be laser engraved.

DIMENSION



APPLICATIONS

- Metal Asset Tracking
- Manufacturing
- Warehouse
- Logistics