

Industrial Non-Metal RFID Hard Tag

MODEL: TRF-9625-M830



The **TRF-9625-M830** is a high-performance, rugged UHF RFID hard tag engineered specifically for placement on non-metallic assets. Powered by the advanced **IMPINJ IC's**, it delivers an exceptional read range of up to 8 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	Impinj M830
EPC Memory	128
Read Range	6.0 – 8.0 metres (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	Blue
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.

APPLICATIONS

- Warehouse Inventory
- Plastic Container Tracking
- Pallets Tracking
- Manufacturing
- Asset Tracking