



UHF Optimus Tag (On Metal)

This UHF RFID Optimus Tag are rugged, reusable identification tags designed for long-term asset tracking in harsh industrial and outdoor environments. Equipped with a high-performance UHF RFID inlay, this tag provides long read range, fast data capture, and consistent readability when mounted on metal assets. It is ideal for tracking containers, returnable transport items (RTIs), machinery, tools, and logistics assets.

PHYSICAL PARAMETERS

Die Cut Size in mm	61.5 x 20 x 7 (Hole Dia: 3.0)
Operating Temperature	-40°C to +80°C
Storage Temperature	-40°C to +80°C
Material	ABS
IP Rating	IP 67
Attachment	With Foam Adhesive, Screw or Revit

ELECTRICAL PARAMETERS

Working Frequency	ETSI: 865-868MHz FCC: 902-928MHz (Available on request)
Standard Protocol	ISO 18000-6C and EPCglobal Gen2
Chip Type	Alien Higgs 3
EPC Memory	96 bits
User Memory	512 bits
Data Retention	50 Years
Write Endurance	100,000 cycles
Read Range	Up to 9 Meters from a Fixed Reader Up to 4.5 Meter from a Handheld Reader

PERSONALIZATION

Encoding	Customer specific encoding of EPC
Laser Engraving	Customized logo, text, barcode etc.
Chip	Various Options Available, Depending upon requirement
Adhesive	Foam Adhesive

APPLICATION AREA



Manufacturing



Supply Chain



Warehouse



Asset Tracking



Logistics