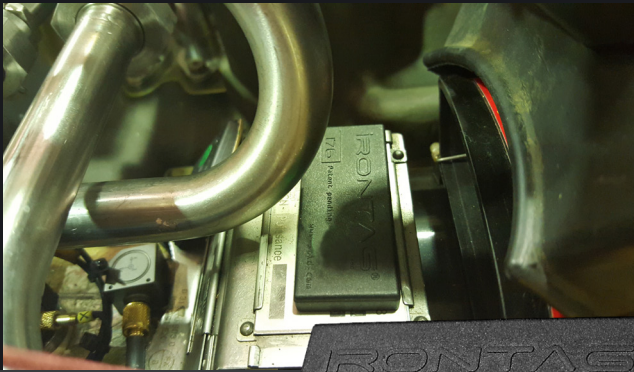


# LOW MEMORY HIGH PERFORMANCE UHF METAL TAG

## IDENTIFICATION ON METAL IN HARSH ENVIRONMENTS



### BENEFITS

- Smallest On-metal tag
- Best high performance to size ratio
- High memory capacity



UHF



RESISTANCE



ANTI-FLAME

The IronTag® Xtrem is an UHF EPC1 Gen2 low memory on-metal tag (ISO18000-63) specially designed to offer the best performances of contactless identification on metal in extreme environments.

Its cost-effective technology promises the best ROI in your tracking, logistics and maintenance applications.

### BEST PERFORMANCE-TO-SIZE RATIO

The IronTag® Xtrem on-metal tag is specifically designed to be the smallest and most competitive RFID tags of the market.

Its optimized size (5 x 2 cm / 2.08" x 0.90") combined with its exceptional reading performance (reading up to 5 m / 16.40 ft\* in FCC) make it suitable for a wide range of identification, tracking, and asset maintenance applications in industrial environments.

### DESIGNED FOR HARSH ENVIRONMENTS

The STid rugged tags improves tracking and automated management of manufacturing processes in harsh environments.

The robust IP68 IronTag® series is qualified and certified to withstand extreme conditions: dust, heat shocks and fast fluctuations, pressure (>10 bars), liquid (water, detergents, alcohols, oils, petrol, gas, kerosene, skydrol, etc.) and flame resistant (self-extinguishing).

### TAGS FOR EXACTING APPLICATIONS

The UHF IronTag® series is designed to satisfy the most exacting industries. The range is compliant with EPC Class1 Gen2 / ISO18000-63 international standard.

These innovative UHF tags meet technical requirements of industrial markets for tracking / maintenance applications of small metal assets: IT, returnable items (gas cylinders, containers, and more), oil & gas pipelines, tools, weapons, in-plant vehicle production, etc.

### APPLICATIONS

- Parts and components asset tracking
- Maintenance
- Logistics
- Factory automation



Aerospace





Energy



Defense

## SPECIFICATIONS

Operating frequency	915 MHz for readers FCC Part15 compliance (902-928 MHz) and for next ETSI 302-208 v2.1.1 (915-921 MHz) standard
Standards	EPC Class1 GEN 2 / ISO18000-63 standards
Modes	Read / Write
Chip	Alien Higgs 3
EPC/User memory	Configurable from EPC 96 bits / User 512 bits to EPC 496 bits / User 64 bits
Reading distances*	FCC: Up to 5 m (16.40")
Material	PPA, Polyphthalamide [ISO: PA6T / 6I]
Dimensions (h x w x d)	53 x 23 x 6.4 mm (2.08" x 0.90" x 0.21")
Weight	13 g
Operating temperature	- 60°C to + 90°C / - 76°F to + 194°F
Storage temperature	- 80°C to + 150°C / - 112°F to + 302°F Storage: 120°C (248°F) > 1000 weeks; 160°C (320°F) > 1000 h; 180°C (356°F) > 200 h
Resistance	IP68 Harsh environment (t°, pressure, humidity...) industrial applications High temperature cycles Thermal shock: > 500 cycles of 30 sec between - 55°C/+ 150°C (- 67°F/ 302°F) Ice reliability at - 60°C (- 76°F) Altitude up to 50000 ft Operational shocks 5 x 1000N, 10 sec Humidity: T > + 85°C (185°F), RH > 95% Salt fog: 5 wt% NaCl, 35°C, 90h Liquid resistance: water, detergents, alcohols, oils, petrol, kerosene, skydrol. Flame resistant (self-extinguishing)
Mounting	3M Adhesive F9473PC Bi-component glue
Certifications	  CE & FCC
Part number	With adhesive 3M .....TMDW42U1761_B Without adhesive 3M.....TMDW42U1761A_B

## DISCOVER OUR IRONTAG® RANGE



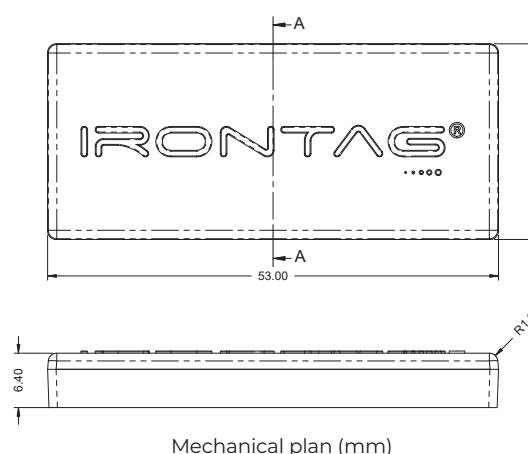
IronTag®  
Aero



IronTag®  
360



IronTag®  
Flex



\*Caution: information about the distance of reading: measured from the center of the antenna, depending on the type of identifier, operating environment of the reader, power supply voltage. External disturbances can cause the reading distances to decrease. The performance is reduced on the athermic windshield.

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### Headquarters / EMEA

13850 Créasque, France  
Tel.: +33 (0)4 42 12 60 60

### PARIS-IDF

92290 Châtenay-Malabry, France  
Tel.: +33 (0)1 43 50 11 43

### STid UK Ltd.

Callows Hill, Warwick CV34 6UW, UK  
Tel.: +44 (0) 192 621 7884

### NORTH AMERICA

Irving, Texas 75063-2670, USA  
Tel.: +1 469 524 3442

### LATINO AMERICA

Cuauhtémoc, 06600 CDMX, México  
Tel.: +52 (55) 5256 4706

### MIDDLE EAST

Dubai Digital Park, DSO, UAE  
Tel.: +971 521 863 656