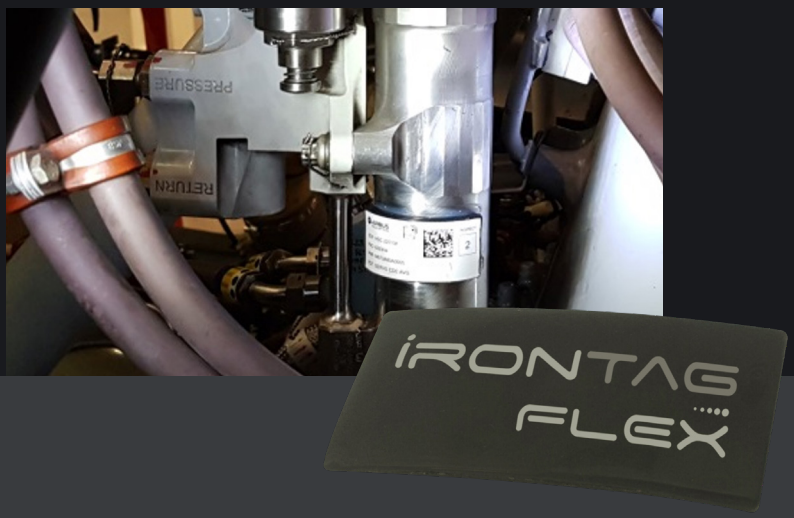
IRONTAG® FLEX

HIGH MEMORY FLEXIBLE UHF METAL TAG

IDENTIFICATION AND TRACEABILITY IN EXTREME CONDITIONS



BENEFITS

- Ultra-flexible tag for concave and convex parts
- High Memory tag (64 Kbits)
- High resistance in harsh environments
- Adaptable to any surfaces including metal
- Fully compliant with ATA SPEC 2000 standard

UHF | IP68 RESISTANCE | ANTI-FLAME

The IronTag® Flex is an UHF EPC1 Gen2 High Memory flexible tag (ISO18000-63). This tag is well suited to withstand harsh industrial environments while providing performances, reliability and durability. Designed with flexible and robust materials, the IronTag® Flex can be easily installed on curved surfaces: pipes, cylinders, cable bundles...

BEST PERFORMANCE-TO-MEMORY RATIO

The IronTag® Flex provides an unmatched performance-to-memory ratio. Both its High memory capacity (64 Kbits) and the outstanding read / write performances (up to 2 m / 6.56 ft*) make possible a lot of identification, tracking and maintenance applications in demanding industries: IT, returnable (gas cylinders, containers...), pipelines, tools, weapons...

RESISTANCE IN HARSH ENVIRONMENTS

The IronTag® Flex is designed to be used in classic and harsh industrial environments. Compliant with aeronautical standard DO160, and SAE AS5678, IronTag® Flex is qualified and certified to withstand the most extreme conditions: Water / dust tight (IP68), salinity, thermal shock, high pressure, corrosive liquids (detergents, alcohols, petroleum oils, gas, kerosene, skydrol, etc.), and flames.

HIGH MEMORY FOR DATA STORAGE

Thanks to its High Memory Quanray Electronics 64 Kbits chip, the IronTag® Flex offers high capacity and long-term storage of data. In addition to offering full compliance with the ATA SPEC 2000 aeronautical standard, this feature provides added value to all your applications in terms of security, data management, cost control and processing time... This latest generation of chip ensures data protection in challenging operating conditions.

APPLICATIONS

- Added value curved asset tracking
- Maintenance, Repair and Overhaul
- Automated management & logistics

Aerospace

Naval

Defense

DESIGNED & MADE IN FRANCE

WE'VE GOT YOUR BACK

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*See the legal notices on the back.

SPECIFICATIONS

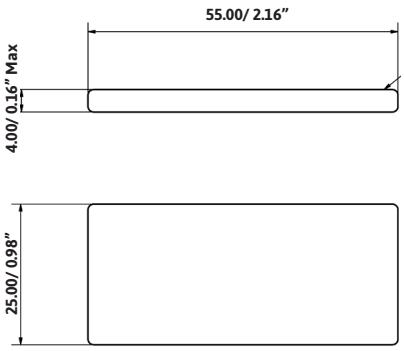
Operating frequency	915 MHz for readers FCC Part15 compliance (902-928 MHz) and for next ETSI 302-208 v2.1.1 (915-921 MHz) standard
Standards	EPC1 Gen2 / ISO18000-63 / SAEAS5678 / DO-160 / ATA SPEC 2000 Chapter 9.5 and Annex 11 (SRT/DRT/MRT)
Modes	Read / Write
Chip	Quanray QS-2AE
EPC/User memory	EPC 240 bits / User 64 Kbits / TID 128 bits
Data storage	30 years at + 85°C (185°F)
Reading distances*	0 - 2 m / 0 - 6.56 ft on any surface, metal included
Material	Silicone Elastosil LR3170-40 A-B - Polyamide internal circuit 25µm
Dimensions (h x w x d)	55 x 25 x 4 mm (2.16'' x 0.98'' x 0.16'')
Weight	7 g
Operating temperature	- 55°C to + 110°C / - 67°F to + 230°F
Storage temperature	- 60°C to + 150°C / - 76°F to + 302°F
Resistance	IP68 Harsh environments (temperatures, pressure, humidity...) & industrial applications - 55°C (131°F) according to DO-160 cycle, thermal variations: 5°C (41°F)/mn + 110°C (230°F) according to DO-160 cycle, thermal variations: 5°C(41°F)//mn Altitude/pressure variations: 0 ft to 25000 ft / 2.6 hPa/s Excess pressure 15000 ft to 35000 ft in 15 sec Vibrations: all categories according to DO-160 / SPX902 Hydrophobic material (humidity, ice, mushrooms, mold, sand, dust, solar radiation resistant) Salt fog: 5 wt% NaCl, 35°C, RH 100%, 96h Liquid resistant (DO-160 cat. F): water (F34), hydraulic fluid (H-537, skydrol), oil (O-155) Frame resistant UL94-V0 ESD resistant Explosive atmosphere (ATEX intrinsic security - DO-160 Cat. A)
Customization	Additional label for laser marking (QR Codes, bar codes, logos...)
Mounting	3M Adhesive F9473PC Bi-component glue
Certifications CE FC	CE & FCC
Part number	TMSW62U3461_S

DISCOVER OUR IRONTAG® RANGE

IronTag®
Aero

IronTag®
360

IronTag®
Xtrem



Mechanical plan (mm / inch)

*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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