

RTI Trak



The RTI Trak is designed for Returnable Transport Items management, providing long-range performance in a nimble form factor.

Its UV-proof polymer casing and IP68 rating make it fully weather-proof, at the service of industrial logistics.



Sturdy mounting options



Long read-range



Cost-effective



IP68



UV-Proof



Performance Characteristics

Read range (On metal)¹	Up to 26 ft (8 m)
Read range (Off metal)¹	Up to 13 ft (4 m)
Polarization	Linear
Attachment	Rivet hole, \varnothing 0.14 in (3.5 mm), Adhesive (optional), Cable tie,

1. Fix reader

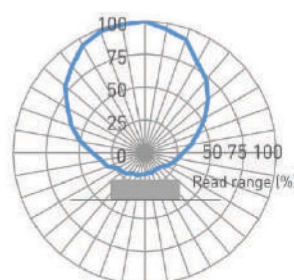
Functional Specifications

RF protocol	EPC global Class 1 Gen2
Frequency	902-928 (US) ; 865-868 (EU)
IC type (chip)¹	Alien Higgs-3
Memory²	96-EPC bits, 64-bit unique TID, 512-bit user memory
Material	Anti-UV Industry Grade Polymer

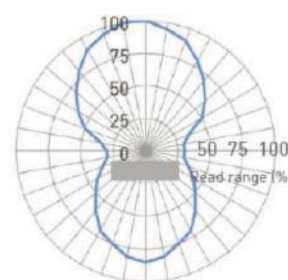
1. The chip data retention is up to 50 years, based on chip operating under general environment conditions.
2. EPC and User Memory can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.

Radiation Pattern

On-metal



Off-metal



Environmental Specifications

Operational temperature	-40°C to +85°C
Survival temperature	-40°C to +85°C
IP rating	IP68
Compression strength	26 psi (180 kPa)
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G

Industry Compliance

RoHS	EU Directive 2011/65/EU
CE	Yes
ATEX/IECEX	Compliant
Warranty	1 year

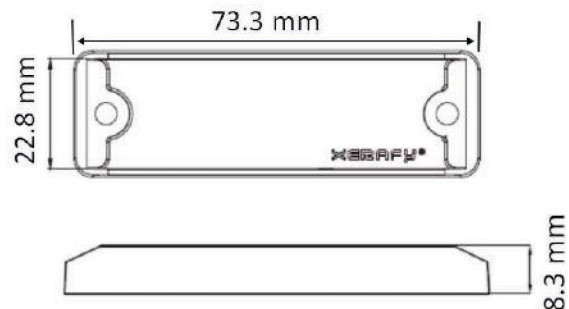
Order Information

X0352-US100-H3	RTI Trak US
X0352-EU100-H3	RTI Trak EU
Optional service	Encoding / Printing

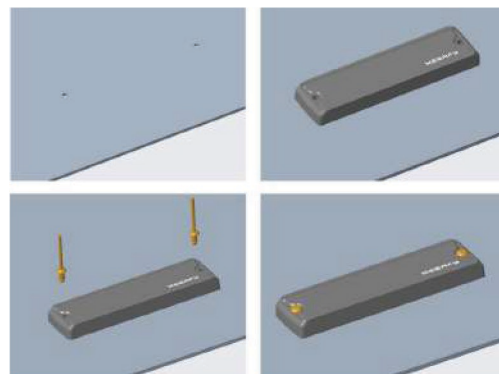


Product Dimensions and Weight

Dimensions (in)	2.88 x 0.90 x 0.33
Tolerance	+/- 0.02
Dimensions (mm)	73.3 x 22.8 x 8.3
Tolerance	+/- 0.5
Weight	0.39 oz (11 g)



Mounting Instructions



Instructions for optimal performances:

1. Drill two holes on the subject metal surface.
(\varnothing 4.0 mm), pitch: 65.7mm)
2. Insert two \varnothing 3.4mm (recommended size) rivets on the tag.
3. Fix the tag on the metal surface with a rivet gun.

* Other installation options: Adhesive / Cable tie (based on your application environment)

About Xerafy

Xerafy designs and manufactures the world's toughest RFID tags to power Industrial IoT applications in Aerospace, Oil & Gas, Automotive, Healthcare and Manufacturing.

