



STAR TAG (World Tag)

Class 1 Gen 2 UHF RFID Metal Mount Tag that Works in Asia, Europe, Japan & the United States

The world's first on-metal tag provides up to 30 feet read distance anywhere in the world (frequency range of 860 MHz to 960 MHz). Uses include Global shipping and distribution, automotive and global companies which require one universal tag.

- High performance tag with read distances up to 30 ft. on metal, water, glass, and/or any hard-to-read surface
- Wideband antenna designed to work in frequency range of (860-960) which includes United States, Europe, Japan, and Asia
- Low cost compared to active RFID technology
- Solid core structure preventing damage from impact due to mishandling
- Higgs 3 Chip with 512 bits of memory
- Thin tag at .125"
- Embodies 5 enabling patent-pending technologies

Star Tag (World Tag)

Specifications

Type:

EPC Class 1
Gen 2 Passive UHF RFID Tag

Uses:

Global Warehouse & Distribution
Asset Tracking
Global Shipping
Automotive

Composition:

Four-Layer Construction

Custom Inlay/Label	
	--Adhesive
HDPE .125	
	--Adhesive
Aluminum/Copper Foil	
	--Adhesive
Liner	

Tag Dimensions:

Star Tag (World)
2" x 4-1/2"

Read Range:

Up to 30 Feet on Metal

Resonance Frequencies:

860 to 960 MHz

Chip:

Higgs 3 512 Bits of Memory

Measurements

TAG PERFORMANCE	Comparable Tags			
	Star	Passive	Battery Assisted Passive	Active
Cost	✓	✓		
Performance on Metal from 860 to 960 MHz	✓		✓	✓
Performance on Containers with Water from 860 to 960 MHz	✓		✓	✓
Size	✓			
Thickness	✓			
Read Range:				
Free Space	up to 20'	up to 20'	up to 150'	100' or more
Metal	up to 30'	up to 7'	up to 50'	100' or more
Water	up to 20'	up to 5'	up to 50'	100' or more

Higgs™ 3 Specification

- Meets EPCglobal Gen2 (V 1.2.0) as well as ISO/IEC 18000-6C
- Worldwide operation in the RFID UHF bands (860-960 MHz)
- 800-Bits of Nonvolatile Memory
- 96-EPC Bits, extensible to 480 Bits
- 512 User Bits
- 64-Bit Unique TID
- 32-Bit Access and 32 Bit Kill Passwords
- Pre-Programmed with a unique, unalterable 64-bit serial number
- User Memory can be Block Perma-Locked as well as read password protected in 64-Bit Blocks
- Supports all Mandatory and Optional Commands including Item Level Commands
- Custom Commands for high speed programming; 30 tags per second for the 96-bit EPC number
- Lower power operation for both read and program
- Exceptional operating range, up to 10m with appropriate antenna
- For additional info, go to AlienTechnologies.com/products



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