

# Alien Higgs® 9 RFID UHF Spring Tire Tag



## Key Features

**Operating Frequency**  
UHF 860-960 MHz

**Chip Type**  
Alien Higgs® 9

**International Standard**  
ISO/IEC 18000-6C, EPC Global Gen2

**EPC Memory**  
96 Bits

**Operating Environment**  
-40°C~+85°C

## 1. Product Overview

The Alien Higgs® 9 RFID UHF Spring tire tag, built with durable steel wire, is engineered for long-term tire tracking and logistics vehicle management. With Compact size and heat-resistant up to 85°C, it's perfect for embedding in tires during the manufacturing process. Powered by the Alien Higgs® 9 chip, it offers dynamic authentication, anti-counterfeiting features, and a unique ID to prevent theft or cloning. It's a smart choice for bus tire tracking, truck tire tracking, automobile factory tire tracking, logistic vehicle management, etc.

## 2. Product Parameters

### 2.1 Physical Characteristics

SKU	AZST-H9-WR-8401
Material	Steel wire
Diameter	84x1mm
Weight	0.2g
Color	Green
Installation	Embedded inside the tire



2.2 Technical Parameters

Operating Frequency	860-960 MHz
Communication Protocol	ISO/IEC 18000-6C, EPC Global Gen 2
Reading Distance	2.4m

2.3 Chip Characteristics

Chip Manufacturer	Alien
Chip Type	Higgs® 9
User Memory	688 Bits
EPC Memory	96 Bits
Unique TID	48 Bits
Read Sensitivity	Up to -20 dBm
Write Sensitivity	Up to -18 dBm
Security	Dynamic Authentication, Anti-Cloning, Anti-Counterfeit Technology, 32 Bit Access and 32 Bits Kill Pass-Words
Write Endurance	200k cycles
Data Retention	50 years
Pre-program	Pre-Programmed with a unique, unalter-able 48-bit serial number

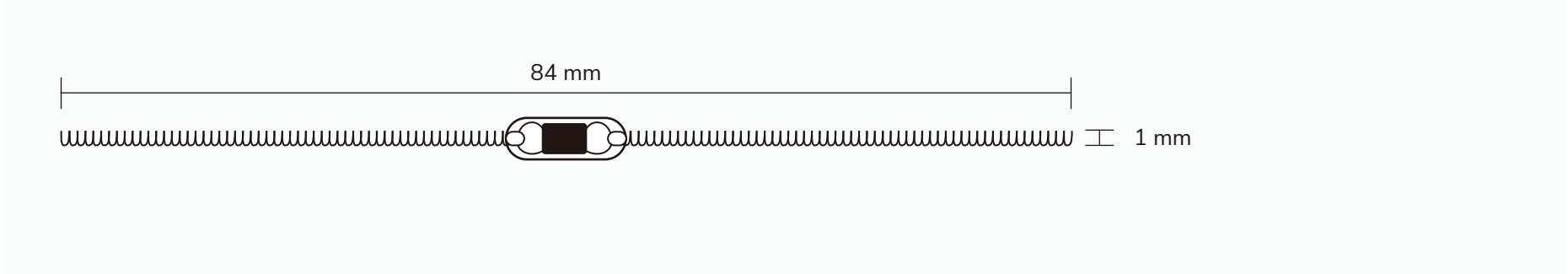
2.4 Additional Information

Operating Environment	-40°C~+85°C
Storage Environment	0~+40°C
Application	Bus tire tracking, truck tire tracking, automobile factory tire tracking, logistic vehicle management, etc.

2.5 Packaging

Packing Format	Packed in bag
Packing Quantity	100 pcs/bag

3. Dimensions



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