

The 4halo RFID tire tag is a technology which is embedded on a rubber patch. The tag is programmed with a unique code that identifies the tire, enabling automatic reading to see the type and size of the tire as well as its unique identity number. This will make it easy for tire management, asset tracking, tire repairing and prevent tire theft and cloning. It can stand high temperature and violent crash during the manufacturing process and tire using.

The 4halo tag can be built into the tires that can be recapped several times. It has been tested to survive several hundred thousand miles under real world conditions and does not generate a potential early failure point in the tire.



Product Specifications

P/N: 4W4H5002

Epc Class 1 Gen 2 (ISO 18000-6C)	128-bit user memory with block permalock
Passive UHF RFID transponders	96-EPC bits, extendable to 496 bits
Frequency:	860-960 (Global)
Dimension:	4.25 x 1.70 x 0.10 in (108 x 43 x 2.5 mm)
Weight:	0.35 oz (9.9 g)
Read range:	Up to 7 ft (2.1 m)
Operation temperature:	-40°F to 185°F (-40°C to 85°C)
Read/Write cycles	100,000 cycles

Applications:

- Logistics management
- Inventory control
- Tire maintenance
- Theft control

Specialties:

- Harsh environments
- Withstands repeated autoclave cycles
- High user memory
- Superior performance

Key Features

True3D™ antenna technology—two fully independent antenna ports enable the creation of tags without blind spots

Gen 2 compliant custom features that facilitate inventory of hard-to-read tags and rapid access of serial numbers

Developed with the Michelin RFID Tag

EPCglobal UHF Gen 2 and ISO 18000-6C compliant

Flexible construction to withstand tire deformation

High quality and stable performance

Possibility to read and write user data into tag's internal memory

The factory programmed tag identification number is unique to prevent cloning

Industry's best read and write sensitivity combined with excellent interference rejection to yield outstanding read and write reliability

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