

Dual Frequency

Transportation Tag

AT5414 and AT5910

TransCore's Transportation Tag is a dual-frequency (915MHz and 2450MHz) battery-powered radio frequency identification (RFID) tag. Packaged in a factory-sealed and hardened case, this tag is ideal for mounting on vehicle chassis, intermodal containers, or any environment requiring a durable, weather-resistant tag.

The Transportation Tag is powered by two permanent, fixed batteries, enabling reliable performance at extended range and allowing for years of maintenance-free service.

The Transportation Tag can be factory-programmed as specified by the customer, or the tag can be user-programmed in the field using TransCore's suite of RF tag programmers.

When used with TransCore readers, security features prevent data corruption, data alteration, and tag cloning. The Transportation Tag supports factory-locked data fields for Tag ID, customer, and user information. This tag also supports open data fields that can be written by the agency.



Features

- ▶ Supports American Trucking Associations (ATA), Super eGo® (SeGo), and eGo protocols
- ▶ Dual-frequency: 915 and 2450MHz
- ▶ Maintenance-free permanent, fixed battery
- ▶ Weather-resistant and factory-sealed case

Applications

- ▶ Vehicle chassis
- ▶ Intermodal containers
- ▶ Harsh environments
- ▶ Rail Automatic Equipment Identification (AEI)

AT5414 and AT5910 Transportation Tag

COMMUNICATIONS

Frequency Range

902 to 928MHz
2425 to 2475MHz

Typical Working Range

5 to 35ft (1.5 to 11m)

Range depends on system parameters

Polarization

Linear, horizontal

SOFTWARE FEATURES

Data Memory

Sego and eGo Modes: 2048 bits

ATA Mode: 60 bits half frame
120 bits full frame

User memory programmable using RF link

POWER REQUIREMENTS

Power Source

Two lithium batteries
Compliant with US DOT 49 CFR § 173.185(c)

LIFE EXPECTANCY

Service Life

8 Years

PHYSICAL

Dimensions

Size: 9.32 x 2.39 x 0.75 in (23.67 x 6.07 x 1.91 cm)

Weight: 6.6oz (187g)

Case Material

Weatherproof, sealed, UV-stabilized, gray case

Mounting Surface

Any smooth metal surface

If mounting surface is non-metallic or irregular, tag must be mounted to a metal backplate.

Mounting Method

Rivet Mounting: Tag must be mounted directly to any smooth metal surface using blind rivets or TIR-approved fasteners

ENVIRONMENTAL

Operating Temperature

-40°F to +185°F (-40°C to +85°C)

Storage Temperature

-67°F to +212°F (-55°C to +100°C)

Humidity

100% relative humidity, condensing

Vibration

2 G_{rms} 10-200Hz

Shock

30G, half-sine pulse, 11 ms duration, 3 axes

Compatibility

Super eGo Mode: SeGo

eGo Mode: ANSI NCITS 256-2001 Part 4.2 and ISO 18000-6B standards

ATA Mode: American Trucking Associations standard

OPTIONS

Case Color

Available in gray. Custom colors available. Special conditions may apply.

PROGRAMMING

Can be programmed to your specifications at the factory, or programmed by the user in the field, using TransCore's suite of RF tag programmers.

MODEL PART NUMBER

13-5414-NNN Half Frame

13-5910-NNN Full Frame

For more information:

Sales Support

800.923.4824

Technical Support

505.856.8007

transcore.com

