

AT5944

TollTag®

The AT5944 TollTag® is a full-frame, dual-band, battery-powered, radio frequency identification (RFID) tag, ideal for a wide variety of automatic vehicle identification (AVI) applications including electronic toll collection, airport/ground transportation management, parking access, and security access.

Packaged in a durable, impact-resistant case, the AT5944 TollTag is designed for mounting to a vehicle's interior windshield. It can be easily installed using one of the available mounting options.

A small lithium battery energizes the AT5944 TollTag. The battery is compliant with U.S. DOT 49 CFR § 173.185(c) regulations for unrestricted shipment. Consult local agencies for regulations if the tag is to be shipped outside the United States. With continuous use, the average tag life is 8 years. The number of tag reads and external RF fields do not affect battery life.

The AT5944 TollTag is factory-programmed as specified by the customer, and stores up to 20 six-bit alphanumeric characters of customer data (120 bits ATA tag memory).

When used with TransCore readers, security features prevent data corruption, data alteration, and tag cloning. The AT5944 TollTag 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 Super eGo® (SeGo), eGo, and ATA protocols
- ▶ Dual-band (915 and 2450 MHz)
- ▶ 2048-bit read/write memory
- ▶ Durable, impact-resistant case
- ▶ Non-replaceable internal battery with an 8-year design life (based on typical usage)
- ▶ Mounted on vehicle's interior windshield

Applications

- ▶ Electronic toll collection
- ▶ Airport/ground transportation management
- ▶ Parking access
- ▶ Security access

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AT5944 TollTag[®]

COMMUNICATIONS

Frequency Range

902 to 928 MHz
2425 to 2475 MHz

Typical Working Range

5 to 35 ft. (1.5 to 11 m)

Range depends upon system parameters

Polarization

Linear, horizontal

SOFTWARE FEATURES

Data Memory

SeGo and eGo Modes: 2,048 bits

ATA Mode: 120 bits

User memory programmable using RF link

POWER REQUIREMENTS

Power Source

Non-replaceable lithium battery

LIFE EXPECTANCY

Service Life

≥ 8 years

PHYSICAL

Dimensions

4.5 x 2.5 x 0.7 in. (11.4 x 6.4 x 1.8 cm)

Weight

3.5 oz (99 g)

Case Material

UV stable polycarbonate alloy

Mounting Location

Interior: Non-metallic windshield

Mounting Options

Double-Sided Tape: Factory-applied double-sided tape is available for semi-permanent installation to the interior windshield

Hook and Loop: Factory-applied hook and loop is available for removable installation to the interior windshield

ENVIRONMENTAL

Operating Air Temperature

-40°F to +185°F (-40°C to +85°C)

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

Tag Case Color

Standard color is light gray

MODEL PART NUMBERS

13-5944-NNN

WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



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16-0143-001 Rev B 03/25

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