

# AT5870

TollTag®

The AT5870 TollTag® is a full frame, 870MHz beam-powered radio frequency identification (RFID) tag, ideal for a wide variety of automatic vehicle identification (AVI) applications, including electronic toll collection.

Packaged in a slim, impact-resistant case, the AT5870 TollTag is designed for mounting to a vehicle's interior windshield. It can be easily installed using one of the available mounting options.

The AT5870 TollTag is beam-powered, requiring no internal battery. In addition to giving the tag an unlimited service life, this feature limits the tag's range and reduces the possibility of cross-lane reads in adjacent lanes.

The AT5870 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 AT5870 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
- ▶ Read/write capability in SeGo mode
- ▶ Impact resistant, molded plastic case
- ▶ Slim profile
- ▶ Beam-powered for extended service life
- ▶ Mounted on vehicle's interior windshield

## Applications

- ▶ Electronic toll collection
- ▶ Transportation management

# AT5870 TollTag®

## COMMUNICATIONS

### Frequency Range

860 to 875MHz

### Typical Working Range

1.5 to 9.1m (5 to 30ft)

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

Beam powered

## LIFE EXPECTANCY

### Service Life

>10 years

## PHYSICAL

### Dimensions

9.2 x 5.9 x .69cm (3.6 x 2.3 x .27in)

### Weight

40g (1.4oz)

### Case Material

Dust-proof, 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°C to +85°C (-40°F to +185°F)

## 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 beige. Custom colors available. Special conditions may apply.

## MODEL PART NUMBERS

13-5870-NNN

## For more information:

### Sales Support

800.923.4824

### Technical Support

505.856.8007

[transcore.com](http://transcore.com)

