

# eGo® Plus

## Mini External Tag

The eGo Plus Mini External Tag is a beam-powered tag that can be mounted on any flat or slightly curved glass, plastic, or metal surface. This rugged tag is water and weather resistant, and its compact size makes it the ideal solution for applications that require exterior-mounting and easy installation.

Using an RFID tag-on-a-chip ASIC with 2048-bit read/write memory, the eGo Plus Mini External Tag provides the capability to read, write, rewrite, or permanently lock individual bytes. The eGo Plus Mini External Tag supports factory-locked programming of fixed data fields. Agency-programmed fixed data fields can be locked by the agency using password-protected programming equipment.

### Applications

The eGo Plus Mini External Tag supports Super eGo (SeGo), eGo, and American Trucking Association (ATA) protocols. It is suitable for a wide variety of automatic vehicle identification (AVI) transportation applications, including electronic toll collection, airport/ground transportation management systems, parking access, and security access applications. This tag is available in both 915 and 870 MHz ranges, and is radio frequency-programmable.

### SECURE

Security is assured when the eGo Plus Mini External Tag is used with TransCore readers. Advanced security techniques ensure a tag's authenticity while preventing



Back View



Front View

data corruption and/or alteration. In addition, tag cloning, spoofing, copying, or duplicating is prevented.

Optional features include custom laser etching and custom programming for reliability.

### Features

- Compact size
- Water and weather resistant case
- Exterior-mounting and easy installation
- Supports SeGo, eGo, and ATA protocols
- Beam-powered (non-battery)
- Customer-specific tag programming
- Custom laser etching
- 2048-bit read/write memory

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# eGo<sup>®</sup> Plus Mini External Tag

## COMMUNICATIONS

### Frequency Range

Available in 902-928 MHz or 865-875 MHz

### Polarization

Linear, horizontal

### Performance

Can be read from and written to at highway speeds while in SeGo mode

### Anti-collision Protocol

Efficient, binary tree-type anti-collision algorithm

## MEMORY

### Data Memory

**SeGo and eGo Modes:** 2048 bits

**ATA Mode:** 120 bits

User memory programmable using RF link

### Wiegand Programming

Selected Wiegand data formats available at no additional charge

## LIFE EXPECTANCY

### Service Life

Capable of unlimited read transactions

## PHYSICAL

### Weight

1.04 oz (29.5 g)

### Dimensions

5.5 X 1.1 X 0.3 in  
(14 X 2.9 X 0.7 cm)

### Mounting Method

Attached to vehicle exterior with two semi-permanent adhesive strips

### Power Requirements

Beam powered (no battery)

## ENVIRONMENTAL

### Operating Temperature

-40°F to +185°F (-40°C to +85°C)

### Durability

IP66: Complete protection from dust, water and weather resistant

The tag case and adhesive are resistant to damage from long-term sun exposure. Tag materials may show minor discoloration over time.

### Storage Temperature

-40°F to +194°F (-40°C to +90°C)

### Humidity

100% condensing

### Vibration Tolerance

1 G<sub>rms</sub>, 20 Hz to 2000 Hz, 3 axes

### Shock Tolerance

50 G, 1/2 sine pulse, 3-ms duration, 3 axes

## COMPATIBILITY

**Super eGo Mode:** SeGo

**ATA Mode:** American Trucking

Associations standard

Options

### Labeling

Customer-specific tag programming

Custom laser etching

### Model Part Numbers

13-5490-001 915 MHz

13-5480-001 870 MHz

### For more information:

#### Sales Support:

214.461.6443

#### Technical Support:

505.856.8007

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

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