

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 data corruption and/or alteration.



Back View



Front View

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

TRANS CORE
Trusted Transportation Solutions

eGo[®] 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_{rms}, 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



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