

eGo® Plus

Mini Sticker Tag

The eGo® Plus Mini Sticker Tag is a 915 MHz radio frequency programmable, beam-powered, windshield-mounted tag, ideal for applications that require low-cost, easily installed tags.

The eGo Plus Mini Sticker 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.

Secure

The eGo Plus Mini Sticker Tag, in conjunction with TransCore readers, enables advanced security techniques that ensures the authenticity of each tag while preventing data corruption and/or alteration. In addition, tag cloning, spoofing, copying, and duplicating are prevented. The eGo Plus Mini Sticker Tag supports factory programming of fixed data fields that are locked at the factory and cannot be reprogrammed. Agencies have the option of locking specific fixed-data fields after programming, using password-protected programming equipment.

Using an RFID tag-on-a-chip ASIC, the eGo Plus Mini Sticker Tag offers a read range of up to 31.5 feet (9.6 meters) and 2048-bit read/write memory.



Features

- ▶ Multiprotocol options - Super eGo®, eGo, and ATA protocols
- ▶ High speed, high performance ideal for toll, traffic management, airport ground transportation management, and secure access control
- ▶ 2048-bit read/write memory
- ▶ High speed write in SeGo mode
- ▶ Wiegand programming available
- ▶ Thin, flexible sticker format
- ▶ Easy-peel release liner for quick installation
- ▶ Non-battery
- ▶ Windshield mounted
- ▶ Custom printing and labeling available

eGo[®] Plus Mini Sticker Tag

COMMUNICATIONS

Frequency Range

902-928 MHz

Maximum Read Range

31.5 feet (9.6 m) with licensed readers¹
Federal Communications Commission Part 90
11.5 feet (3.5 m) with unlicensed readers. FCC Part 15

Polarization

Linear, horizontal

Performance

The eGo Plus Mini Sticker Tag can be read from and written to at highway speeds 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
All programmable using wireless link

Wiegand Programming

Selected Wiegand data formats available at no additional charge

PHYSICAL CHARACTERISTICS

Dimensions

2.89 x 2.19 x 0.04 in. at ASIC*
(7.34 x 5.56 x 0.10 cm at ASIC*)
*maximum thickness

Weight

0.06 oz (2 g)

Mounting Surface

Attached by a semi-permanent adhesive to interior of a nonmetallic windshield

ENVIRONMENTAL

Operating Temperature

-40°F to +185°F (-40°C to +85°C)

Humidity

100% condensing

Vibration Tolerance

1 G_{rms}, 5 to 2000 Hz, 3 axes

Shock Tolerance

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

Washing/Liquid Spills

Tag adhesive and ink can withstand about 20 washes of the interior-facing label, exposure to approximately 40 spills of beverages, mild cleaning solutions, vinyl plasticizers when spills are promptly wiped dry with a paper towel

Solar Exposure

Tag and adhesive will not be damaged from long-term exposure to the sun. The tag's white background may show minor yellowing over time.

Bending/Curved Windshield

Tag operates after temporary flexing of the entire tag body when tag center is deflected 1/8 inch (0.32 cm) vertically or 1/4 inch (0.64 cm) horizontally. Tag materials do not crack or disfigure during such bending.

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

- Customer-specific tag programming
- Custom color printing - windshield side
- Custom color labeling - driver side

Contact TransCore for details.

Model Part Number

Order 13-4750-XXX, full-frame
Order 13-6750-XXX, half-frame

For more information:

Sales Support
800.923.4824

Technical Support
505.856.8007

transcore.com