eGo® Plus Sticker Tag

NEW SMALLER SIZE

Feature

▶ Multiprotocol options - Super eGo® (SeGo), eGo, and ATA protocols

▶ Thin, flexible sticker format

▶ Windshield mounted

▶ High speed, high performance suitable for toll and traffic management applications

▶ Ideal for airport access and ground transportation management systems, parking access, and security access

▶ Non-battery

▶ 2048-bit read/write memory

▶ High speed write in SeGo mode

▶ Wiegand programming available

▶ Custom printing and labeling available

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eGo® Plus
Sticker Tag

ONE LINE OF LARGE FIXED FONT OR
two lines of smaller custom text
YYDDD 13-4750-XXX
CUS CNTRL # OR TAG ID

Driver's Side

The eGo® Plus Sticker Tag is a 915 MHz radio frequency programmable, beam-powered, windshield-mounted tag. Packaged as a flexible sticker, this tag is ideal for applications that require low-cost, easily installed tags. This tag supports Super eGo (SeGo), eGo, and ATA protocols. The tag 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's smaller size requires minimal windshield space, thus increasing the driver's field of vision when installed properly.

Using an RFID tag-on-a-chip ASIC, the eGo Plus Sticker Tag offers a read range of up to 31.5 feet (9.6 meters) and 2048-bit read/write memory at a fraction of the cost of older, less flexible RFID technology. The tag provides the capability to read, write, rewrite, or permanently lock individual bytes.

The TransCore eGo Plus Sticker Tag, in conjunction with TransCore readers, enables advanced security techniques that ensure a tag's authenticity while preventing data corruption and/or alteration. In addition, tag cloning, spoofing, copying, or duplicating is prevented. The eGo Plus Sticker Tag supports factory programming of fixed data fields that are locked at the factory and cannot be reprogrammed. Agency-programmed fixed data fields optionally can be locked by the agency after programming using password-protected programming equipment.

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eGo® **Plus** Sticker Tag

COMMUNICATIONS

Frequency Range
902-928 MHz

Maximum Read Range[1]
31.5 feet (9.6 m) with licensed readers, FCC Part 90

1.11.5 feet (3.5 m) with unlicensed readers, Federal Communications Commission (FCC) Part 15

Polarization
Linear, horizontal

Performance
The eGo Plus 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 0.05 in. at ASIC*
(7.34 x 5.56 x 0.13 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
The tag adhesive and ink can withstand about 20 washes of the interior-facing label, and exposure to approximately 40 spills of beverages, mild cleaning solutions, or vinyl plasticizers when spills are promptly wiped dry with a paper towel.

Solar Exposure
The 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
The tag operates after temporary flexing of the entire tag body when the 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 on windshield side
▶ Custom color labeling on driver side

Contact TransCore for details.

MODEL PART NUMBER
Order 13-4750-XXX, full-frame eGo Plus Sticker Tag
Order 13-6750-XXX, half-frame eGo Plus Sticker Tag

For more information:

Call **214.461.6443** (Sales Support) • **505.856.8007** (Technical Support)

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