

FEATURES

- **Thin, flexible sticker format**
- **Windshield mounted**
- **Supports Super eGo® (SeGo), eGo, and ATA protocols**
- **Low-cost, easily installed**
- **Ideal for electronic toll collection, airport access and ground transportation management systems, parking access, and security access**
- **Non-battery**
- **2048-bit read/write memory**
- **Custom printing and labeling available**
- **Compatible with TransCore multi-protocol readers, A11200-series readers, and A11600-series readers**

eGo® Plus Sticker Tag



eGo Plus Sticker Tag (interior-facing 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, airports and ground transportation management systems, parking access, and security access applications.

Using a revolutionary 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.

Each eGo Plus Sticker Tag comes equipped with a factory-programmed unique tag identification number that prevents the tag from being duplicated.

The eGo Plus Sticker Tag is read by TransCore's family of readers, which are configurable to support a protocol compliant with ANSI INCITS 256-2001 and ISO 10374 standards, and the ATA Standard for Automatic Equipment Identification. This multi-protocol feature of the eGo Plus Sticker Tag makes it ideal for migrating from a mixed-tag population to a common tag.

eGo[®] Plus Sticker Tag

COMMUNICATIONS

Frequency Range
902 to 928 MHz

Maximum Read Range

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

31.5 feet (9.6 m) with licensed readers, FCC Part 90

Polarization

Linear, horizontal

Performance

The eGo Plus Sticker Tag can be read from and written to at highway speeds.

Anti-collision Protocol

Efficient, binary tree-type anti-collision algorithm

SOFTWARE FEATURES

Memory

EEPROM

Byte resolution memory addressing

Byte resolution memory lock

Page resolution memory authentication:

- Twenty-three 8-byte user-definable pages that are write-protected through authentication process
- 1 permanent page that is read-protected through authentication process

2048-bit total memory:

- 64-bit unique ID
- 1216-bit user memory formatted and locked as required by application
- 768-bit factory- and user-defined configuration memory

ATA Mode Data Capacity

Up to 20 six-bit alphanumeric characters (120 available bits)

PHYSICAL

Dimensions

3.1 x 2.6 x 0.05 in. at ASIC*
(7.9 x 6.7 x 0.13 cm at ASIC*)

*maximum thickness

Weight

0.07 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

95% at temperatures up to +113°F (+45°C) non-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, about 40 spills, to beverages, mild cleaning solutions, or vinyl plasticizers when spills are 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 vertically or 1/4 inch horizontally. Tag materials do not crack or disfigure during such bending.

STANDARDS

Fully protocol-compliant with INCITS 256-2001, ISO 10374, and ATA standards.

OPTIONS

- Custom color printing on windshield side
- Custom color labeling on side facing vehicle interior
- Barcode (Code 128) on side facing vehicle interior
- Customer-specific tag programming

Contact TransCore for details.

MODEL PART NUMBER

Order 13-07XX-XXX, eGo Plus Sticker Tag



For product information call: 1.800.923.4824 or 972.733.6600 (outside the U.S.) Fax 972.733.6486

www.transcore.com

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