

eGo® Plus

License Plate Tag

The eGo® Plus License Plate Tag is a 915 MHz RF programmable, beam-powered, license plate mounted tag, packaged in a water-resistant case. This tag is ideal for applications that require exterior-mounted, low-cost, easily installed tags.

The eGo Plus License Plate Tag supports Super eGo (SeGo), eGo, and ATA protocols. It 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 an RFID tag-on-a-chip ASIC, the eGo Plus License Plate Tag offers a read range of up to 31.5 feet (9.6 meters) and 2048-bit read/write memory. The tag provides the capability to read, write, rewrite, or permanently lock individual bytes.

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

The eGo Plus License Plate Tag is read by TransCore's family of readers, which are configurable to support a protocol compliant with ANSI NCITS 256-2001, ISO 18000-6B, and ISO 10374 standards, and the ATA Standard for Automatic Equipment Identification. This multiprotocol feature of the eGo Plus License Plate Tag makes it ideal for migrating from a mixed-tag population to a common tag.

Optional features include custom external laser etching and custom programming. An optional Exterior Tag Accessory Kit makes the installed tag tamper-resistant.



Features

- ▶ Supports Super eGo® (SeGo), eGo, and ATA protocols
- ▶ License plate mounted
- ▶ Non-battery
- ▶ 2048-bit read/write memory
- ▶ Ideal for electronic toll collection, airport access and ground transportation management systems, parking access, and security access
- ▶ Compatible with TransCore Encompass® multiprotocol readers, A1200-series readers, and A1600-series readers

eGo[®] Plus License Plate Tag

COMMUNICATIONS

Frequency Range

902 to 928 MHz

Maximum Read Range

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

Polarization

Linear, horizontal

Anti-collision Protocol

Efficient, binary tree-type anti-collision algorithm

Performance

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

SOFTWARE FEATURES

SeGo and eGo Modes: 2048 bits

ATA Mode: 120 bits

User memory programmable using RF link

PHYSICAL

Dimensions

1.5 x 8.5 x 0.85 in. (3.8 x 21.6 x 2.15 cm)

Weight

3.8 oz. (108 g)

Mounting Method

Typically mounted with existing license plate brackets and hardware.

ENVIRONMENTAL

Operating Temperature

-40°F to +185°F (-40°C to +85°C)

Storage Temperature

-40°F to +203°F (-40°C to +95°C)

Humidity

95% non-condensing @113°F (45°C)

Vibration Tolerance

1 Grms, 5 to 2000 Hz, 3 axes

Shock Tolerance

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

Chemical Exposure

No tag damage in the following situations:

- ▶ exposed to water washing
- ▶ exposed to commonly spilled beverages, mild cleaning solutions, or vinyl plasticizers

Ultraviolet Radiation Exposure

Tag is not damaged by long-term exposure to sunlight.

STANDARDS

Fully protocol-compliant with NCITS 256-2001, ISO 18000-6B, ISO 10374, and ATA standards.

COLOR

The eGo Plus License Plate Tag standard case color is black.

OPTIONS

- ▶ Custom laser etching
- ▶ Customer-specific tag programming at the factory
- ▶ TransCore Exterior Tag Accessory Kit (P/N 19077-01). This kit makes the installed tag tamper-resistant.

MODELS AVAILABLE

13-0700-900: eGo Plus License Plate Tag

For more information:

Sales Support
800.923.4824

Technical Support
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transcore.com