eGo Plus

AT5480/AT5490

Mini External Tag

The eGo Plus AT5480/AT5490 is a beam-powered mini external tag that can be mounted on a 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 requiring exterior-mounting and easy installation.

This tag works best when it is positioned higher up on a vehicle. The optimal location is the top-center of the windshield.

The AT5480/AT5490 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.

When used with TransCore readers, security features prevent data corruption, data alteration, and tag cloning. The eGo Plus Mini External Tag supports factory locked data fields for Tag ID, customer, and user information. This tag also supports open data fields that can be written by the agency.

Optional features include custom laser etching and custom programming for reliability.

Back View

Front View

Features

▶ Supports SeGo, eGo, and ATA

▶ 915 and 870 MHz ranges

▶ Beam-powered (non-battery)

▶ Exterior-mounted and easy installation

▶ Compact water and weather resistant case

Applications

▶ Electronic toll collection

▶ Airport/ground transportation management

▶ Parking access

▶ Security access

TRANSCORE

Trusted Transportation Solutions

AT5480/AT5490 Mini External Tag

COMMUNICATIONS

Frequency Range
Available in 902-928 MHz or 865-875 MHz

Read Range
Read range is determined by reader and application

Polarization
Linear, horizontal

Performance
Can be read from and written to at highway speeds while in SeGo mode

Multi-Tag Sort Protocol
Efficient, binary tree-type sort algorithm

MEMORY

Data Memory
SeGo and eGo Modes: 2048 bits
ATA Mode: 120 bits

User memory programmable using RF link

Wiegand Programming
Select 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

For more information:

Sales Support
800.923.4824

Technical Support
505.856.8007

transcore.com

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