

**FEATURES**

- **Factory-programmed, 60-bit storage**
- **Wiegand programming available**
- **Beam-powered for unlimited service life**

# AT5146 Access Control/ License Plate Tag



**T**he AT5146 Access Control/License Plate Tag is a beam-powered radio frequency (RF) field disturbance device specifically used in applications with TransCore's SmartPass<sup>®</sup> integrated reader systems. Transcore recommends this tag when metallic-coated windshields prevent installation of interior-mounted tags.

The tag is factory-programmed, as specified by the customer, and stores up to 10 alphanumeric characters of data (60 bits). The factory can program the tag to emulate Wiegand access control cards using 26- to 54-bit Wiegand formats.

The tag has an unlimited service life because a small portion of the RF signal continually energizes the tag's circuitry. This feature limits the tag's range, which reduces competition with other nearby tags and enhances system discretion within a 2- to 10-foot (0.6- to 3-meter) diameter reading area.

The AT5146 Access Control/License Plate Tag encodes the signal received from a SmartPass reader with an identification number or a data message. The encoded signal reflects back (backscatters) to the SmartPass reader. TransCore's Amtech<sup>®</sup>-brand AI1600-series readers can read the AT5146 Access Control/License Plate Tag.

# AT5146 Access Control/License Plate Tag

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## COMMUNICATIONS

### Frequency Range

902 to 928 MHz

### Typical Working Range

2 to 10 ft (0.6 to 3 m)

Range depends on system parameters.

### Polarization

Parallel with longer side

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## SOFTWARE FEATURES

### Data Capacity

Up to 10 six-bit alphanumeric characters (60 available bits) or Wiegand 26- to 54-bit formats

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## POWER REQUIREMENTS

### Power Source

Beam powered

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## LIFE EXPECTANCY

### Service Life

Unlimited

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## PHYSICAL

### Dimensions

Size: 8.5 x 1.5 x 0.85 in  
(21.6 x 3.8 x 2.15 cm)

Weight: 3.8 oz (107.7 g)

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### Case Material

Weatherproof, polycarbonate alloy, UV-stabilized

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### Mounting Surface

Metallic or nonmetallic

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### Mounting Method

Typically mounted with existing license plate bracket and hardware

**Tape Mounting:** For applications where the integrity of the mounting surface cannot be compromised, the AT5146 Access Control/License Plate Tag can be mounted on a smooth flat surface using double-sided tape.

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## ENVIRONMENTAL

### Operating Air Temperature

-40°F to +185°F (-40°C to +85°C)



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

[www.transcore.com](http://www.transcore.com)

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