

RFID Secured Vehicle Registration Sticker

Applications

- Electronic Vehicle Registration
- Electronic Toll Collection
- Parking and Access Control
- Vehicle Emissions Inspection
- Fleet Management

Adhesive Side



Example with On-Demand / Variable Print Window

Non-Adhesive Side



Custom Design

Product Description

Astria RFID Vehicle Registration Sticker delivers superior read and write performance along with the ability to PRINT & PROGRAM secure data and barcodes on-demand using STAR Systems International's printing software and a qualified RFID enabled Thermal Transfer Printer.

Astria is constructed to provide reliable reading for years, even in extreme weather and driving environments. Utilizing the OmniAir Certified Solana RFID Antenna, it is designed as a vehicle registration tag from the ground up. Only materials graded for automotive applications are used in the manufacturing of Astria.

Astria utilizes a chip that has a flexible memory architecture and provides the optimum allocation of EPC and User memory. It is ideal to be used in high performance / security applications. User memory may be secured by the chip's read-lock and/or write-lock features allowing the tag to support a variety of public/private usage models. The chip also features a factory pre-programmed and permanently locked 64-bit serial number that cannot be altered. This Serial Number in conjunction with the EPC data bank can be used to generate a Unique Access Codes for each and every Tag.

Astria is available with features such as the Patented Break on Removal (BOR) / Non-Removable Non-Transferable (NRNT) - Tamper Evident Feature, IR and UV Light Protection Filter, Invisible UV Security Printing, Custom Press and/or Variable Printing and Custom Chip Programming.

Your Success is Our Vision



Specifications

Dimensions	95 x 60 mm (3.74 x 2.36")
Adhesive Side Print "Window"	75 x 30 mm (2.95 x 1.81")
Substrate	Special PET (Non-Shrink)
ESD – HBM / CDM	+/- 3kV
Operating Temperature (Installed)	-50°C to +85°C (-58°F to +185°F)
Storage Temperature	-50°C to +100°C (-58°F to +212°F)
Relative Humidity (RH) (Installed)	100% Condensing Humidity
Chip Type	Alien H3 chip
Gen2v2 support	Optional
EPC	96-480 Bits
On-Chip Memory	800 Bits
Unique TID	64 Bits
Access Password	32 Bits
Kill Password	32 Bits
EEPROM Data Retention	50 Years
EEPROM Write Endurance	100,000 Cycles
Custom TID Bitmask	Optional
Password Authentication	Yes