



## RFID Headlamp Decal

### Applications

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



Aries™

### Product Description

Aries Headlamp Decal is specially designed to be used on a vehicle's headlight. With high performance and high security features, Aries delivers superior read and write performance and provides great flexibility on hard to tag vehicles such as those with windshield containing metallic material and/or films that can affect radio transponders. It is perfect to be used on motorcycles and scooters.

When applied properly, the tag is barely noticeable and has no negative effect on the performance of a headlight. Aries is constructed to provide reliable reading for years, even in extreme weather and driving environments. Designed as a vehicle tag from the ground up, only materials graded for outdoor and automotive application are used in the manufacturing of Aries.

Aries 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 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 Code for each and every Tag.

Aries 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 and Custom Press or Variable Printing and encoding.

*Your Success is Our Vision*





## Specifications

Dimensions	100.87 x 19.44 mm ( 3.97 x 0.76" )
Inlay Substrate	Special PET (Non-Shrink)
Antenna Material	Silver Conductive Ink
RF Protocol	ISO 18000-6C/63 EPC C1G2
Operating Frequency	860-960 MHz
ESD – HBM / CDM	+/- 3kV
Operating Temperature (Installed)	-50°C to +85°C (-58°F to +185°F)
Relative Humidity (RH) (Installed)	100% Condensing Humidity
Chip Type	Alien H3 chip
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