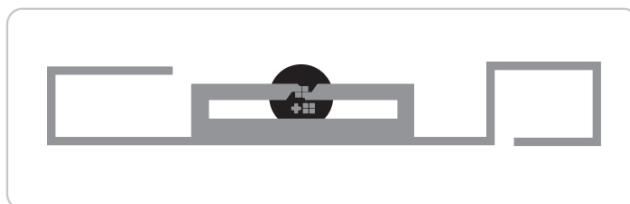


## Applications

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



## Product Description

With its high performance and high security features, Venus Windshield Transponder delivers superior read and write performance. It is designed and tuned specifically for optimal performance when used on the glass windshield of a vehicle.

Whether applied inside or outside, Venus 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 material graded for outdoor and automotive application is used in the manufacturing of Venus.

Venus utilizes a chip that has a flexible memory architecture and provides for the optimum allocation of memory. It is ideal for use 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 Code for each and every Tag.

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

## Specifications

Dimensions	80.00 x 30.00 mm ( 3.15 x 1.18" )
Pitch	28.575 mm ( 1.125" )
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)
Storage Temperature	-50°C to +100°C (-58°F to +212°F)
Relative Humidity (RH) (Installed)	100% Condensing Humidity
Chip Type	Alien HIGGS 3
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
Material Layer	Art Paper / PP or PET