

# Canis - X

## High Performance UHF RFID on-metal Tag

### Applications

- Logistics
- Vehicle tracking
- Metal rack and metal goods management
- Medical equipment management



### Product Description

Canis-X is a light - weight metal tag which is made from high density polycarbonate. It is designed and developed to perform optimally when attached to metal objects. Canis-X offers an excellent read performance and can be applied on metal rack, metallic assets tracking and medical equipment management.

Canis-X 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.

*Your Success is Our Vision* Preliminary



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## Specifications

|                        |                                       |
|------------------------|---------------------------------------|
| Dimensions             | 129 x 22.4 x 10 mm ( 5 x 0.9 x 0.4" ) |
| Weight                 | 18 g ( 0.04 lbs )                     |
| Material of Shell      | High density PC                       |
| Chip Type              | Alien H3 chip                         |
| RF Protocol            | ISO 18000-6C/63 EPC C1G2              |
| Operating Frequency    | 902 - 928 MHz                         |
| 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                        |
| Operating Temperature  | -40°C to +85°C ( -40°F to +185°F )    |
| IP Rating              | IP 67                                 |

Preliminary