Introduction

Radio Frequency Identification (RFID) is a method that is used to track or identify an object by radio transmission uses over the web. Data digitally encoded in an RFID tag which can be read by RFID reader. This is device work as a tag or label. Data read from these tags is stored in the database through the reader. It can either be passive or active.

RFID tags use radio frequency to search, identify, track, and communicate with readers. Essentially, RFID tags are smart labels that can store a range of information from serial numbers, to a short description, and even pages of data

Uses

HF RFID systems are used in a wide variety of applications including ticketing, payments, tracking library books, patient flow tracking and general data transfer applications. These can also be used for tracking people / items.

Features

It is made of PA6 to meet all endurance requirements in terms of heat, harsh environments and chemical resistance.

- AJEEVI HF Tag with multi read/write capability is very small in size and perform best when is attached to any place.
- Perform in the harshest environments, including harsh chemicals, painting processes & outdoor exposure.
- Dust & Waterproof.
- Flexible Read/Write Range (Reader Dependent).

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Technical Specifications:

S#	Parameter	Value
A	General	
1	Air Interface Protocol	ISO-15693, 18000-3 Mode 1
2	Operating Frequency	13.56 MH, Passive (battery-less transponder)
3	IC Type	NXP ICODE SLIX
4	Memory	User 896-bit EEPROM Read/Write
5	Max Read Distance	50 mm

6	Tag Form Factor	Hard tag , Dry Inlay
9	Data retention	More than10 years
10	Expected Lifetime	Up to 5 Year in normal operating conditions
11	Attachment Method	Riveting /screw/Adhesive
12	Applicable surface	Plastic, Wooden
13	Quality Assurance	100% Read Tested
B	**Temperature**	
1	Operating Temperature	-30°C to +75°C.
C	**Physical**	
1	Dimension	92×23×9.5 ±2mm
2	Weight	14 gm
3	Color**	Grey
4	Encasement	ABS / PC
E	**Protection Rating**	
1	Ingress Protection	IP 68