

## UHF Tag – AZ-H8

UHF Tag AZ-H65 is one of many Universal Smart Card designs offering a small RFID UHF antenna design in a range of packaging options.

They are suitable for brand protection, supply chain management particularly in retail and garment tagging as well as pharmaceutical and healthcare.

The AZ-65 tag has an antenna size of 14 x 70mm with an Impinj Monza R6 Integrated Circuit (IC). This is according to the EPC Gen2 Standard / ISO18000-6C at a frequency between 860-960 MHz.

The AZ-65 is available in three formats or packaging depending on the needs of the customer:

- Dry Inlay
- Wet-Inlay
- Paper Label

### Markets & Applications:

- Logistics Asset Tracking
- Metallic assets
- Pallet tracking
- Cases, baggage

### Colours Available:

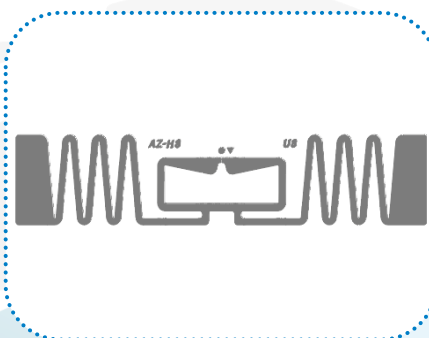
- Black

### Product Specification:

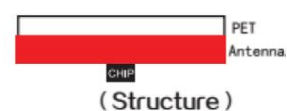
**Tag Size/Dimensions:** 135x22x12mm  
**Antenna Size:** 94.8x8.15mm  
**Weight:** 7g  
**Material:** ABS  
**Application Temp:** -15°C to 70°C

### Customisation/ Personalisation Options:

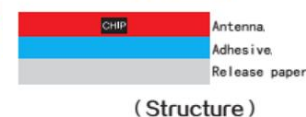
- Ink-jetted printed serial number
- Logo
- Encoding



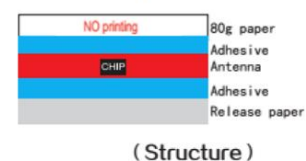
#### Dry Inlay



#### Wet Inlay



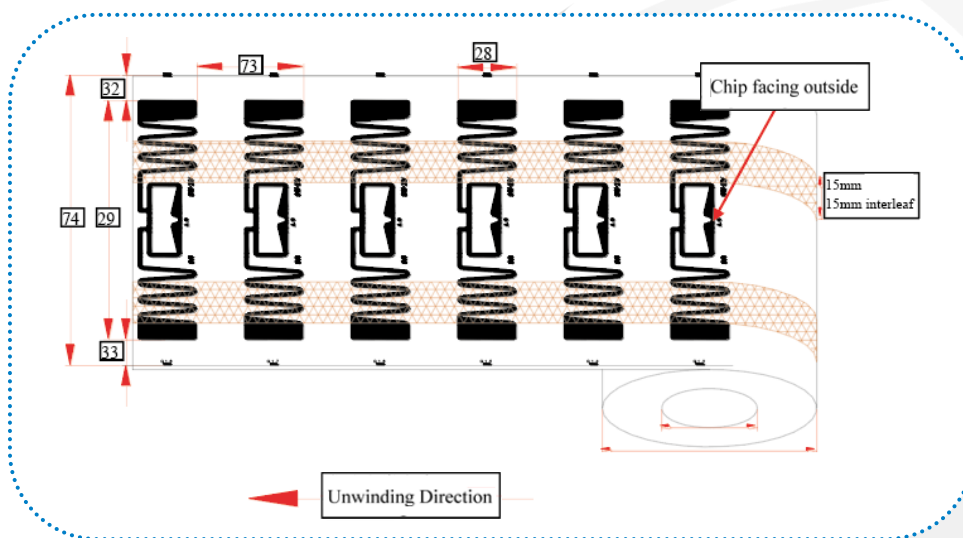
#### Paper Label



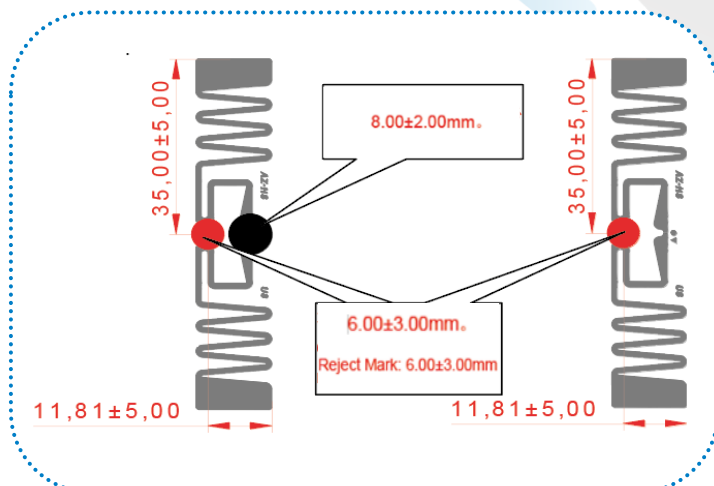
IC Type	Memory	Frequency	IC Life	Reading Distance
Alien Higgs H3	EPC: 96 bits TID: 64 bits USRES: 512 bits	860-960 MHz	100,000 programming cycle, 10 years data retention	3-8 metres

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## Mechanical Characteristics:



No.	Item	Parameter (mm)
17	Mark Length	4.00±0.20
18	Mark Width	4.00±1.00
24	Mark to Antenna (Top)	4.35±0.20
21	Core ID	6.04inch(153.42±0.50)
22	Roll OD	≤295.00
28	Antenna Length	15.00±0.20
29	Antenna Width	40.00±0.20
32	Antenna to PET (Top)	8.50±1.00
33	Antenna to PET (Bottom)	8.50±1.00
73	Antenna Pitch	21.59±0.50
74	PET Width	57.00±1.00



## Handling Precautions:

Inlays with ink marks are bad ones, do not use.  
The position of the mark is as shown, to the left.

Keep away from water and collisions, do not bend.

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### Packaging:



**Material:** Plastic, waterproof, neutral packaging.

**Qty/bag:** 15 pieces.

**Qty/carton:** 1,080 pieces.

**Dimensions:** 23x21x51cm.

### Temperature/Humidity:

- Operating Temperature/Humidity: [-15°C to +70°C] 20% to 90% RH Non-condensing.
- Storage Temperature/Humidity: [-25°C to +50°C] 20% to 90% RH Non-condensing.

### Shelf Life:

From the date of manufacture, 2 year in vacuumed bag at +23°C±5°C / 50%±10%RH).