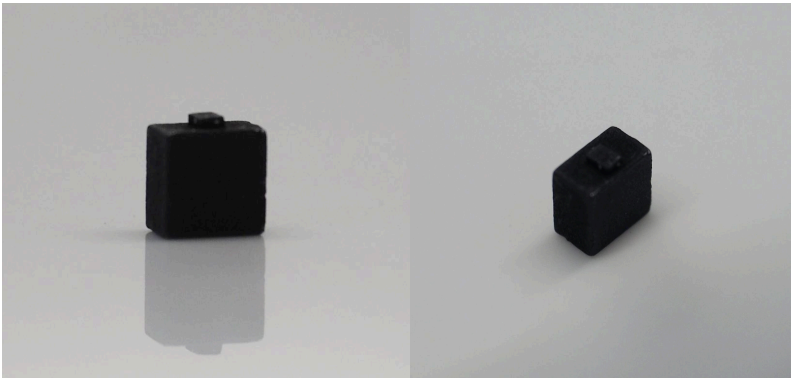


## Micro Ceramic Hantam Tag



## Smart Controller for Effortless RFID Integration

The TDI-100114-HT is a compact, high-durability UHF RFID tag designed for metal surfaces in harsh industrial environments. With IP68 protection and strong adhesive, it's ideal for asset tracking in factories, tool rooms, and outdoor areas.

Powered by the Alien H3 chip, it offers up to a 2-meter read range on metal and operates in extreme temperatures (-40°C to +150°C). Its memory capacity (512-bit user, 96-bit EPC, 64-bit TID) supports reliable and flexible data storage.

## Overview

### Size LxWxH (mm)

5 x 5 x 3

### Weight

0.4 g

### Avg. Read Range On Metal, 4W EIRP

2.0 m

### Avg. Read Range On Metal, 4W EIRP

1.0 m

## Encasing

Durable Paint

## Industry Segments

Manufacturing & Industrial  
Oil & Gas  
Utilities & Energy  
Construction & Equipment  
Aerospace & Defense  
Automotive  
Outdoor/Field Asset Management

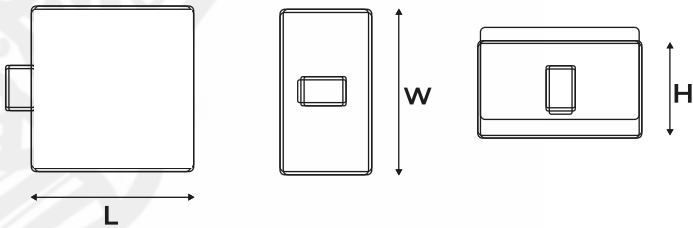
## Applications

Asset Tracking on Metal  
Lifecycle Monitoring  
Inventory Control  
Container Tracking  
Vehicle Fleet Management  
Outdoor & Extreme Environment Asset  
Anti-theft & Asset Security

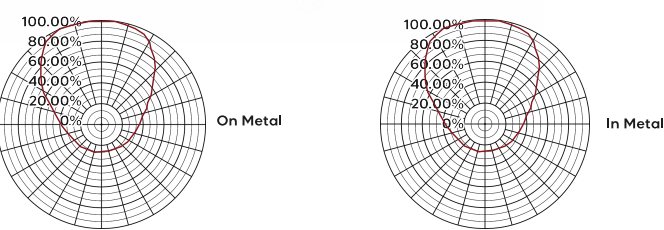
Technical Features

Chip	Alien H3
RFID Protocol	EPC C1G2 (ISO 18000-6C)
Frequency Band	920-923 MHz (ID)
Memory	512-bit user memory; 64-bit TID; 96-bit EPC
Read range	Up to 2 meters on metal (standard reader)
Material	Epoxy resin, optimized for metal surface
IP Rate	IP68
Read rate	400 tags per second for 96-EPC bit number
Operating Temperature	-40°C to +85°C
Application Temp.	Up to +150°C
Storage Temperature	-40°C to +150°C

Product Overview



Radiation Pattern



Contact Information

[www.tudi.id/contact-us](http://www.tudi.id/contact-us)  
+62 877-3201-8345

Connect with us on  

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Ruko BE01A, Jl. Citra Dua Extension No.5, RW.6, Pegadungan, Kec. Kalideres, Kota Jakarta Barat, Daerah Khusus Ibukota Jakarta 11830.  
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