

RHINO™ SERIES TAGS

HT 10431 ETSI/FCC



A sleek all-surface UHF hard tag featuring a strong adhesive for returnable transit item(RTI) tracking in healthcare, supply chain & logistics. Great for enterprise IT asset management as well.

PHYSICAL SPECIFICATION

Face Stock

Engineering Plastic, Synthetic face film

Tag Size

104 x 31 x 3.7 mm | 4.1" x 1.2" x 0.15"

Adhesive

High performance acrylic adhesive with excellent adhesion to all surfaces

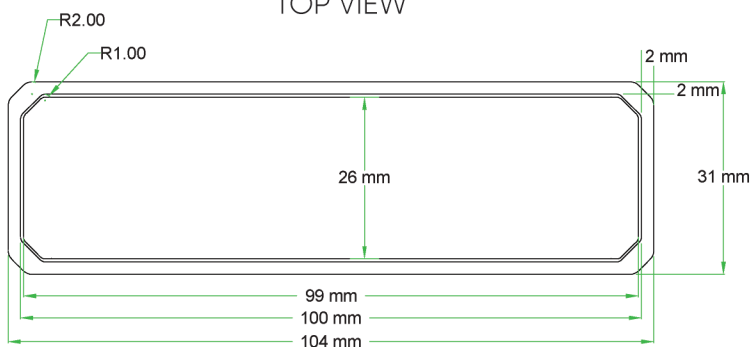
Delivery Format

Single

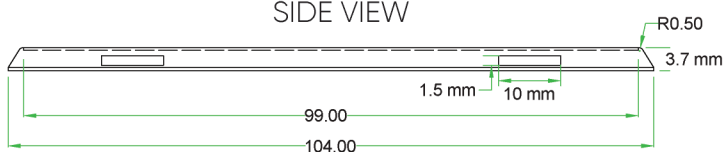
Weight

10 g

TOP VIEW



SIDE VIEW



RF SPECIFICATION

Air interface protocol

ISO 18000-6C and EPC global Gen2v2 compliant

Operational frequency

ETSI: 865 – 868 MHz | FCC: 902 – 928 MHz

IC type*

NXP UCODE 9xe

Memory configuration

EPC 128-bit, TID 96-bit

Read range (2W ERP)**

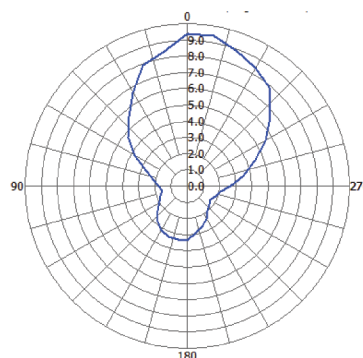
On Metal Up to 9m/ 29.52ft

On plastic Up to 7m/ 22.96ft

Applicable Surface Materials

All Surfaces

RADIATION PATTERN



ENVIRONMENTAL RESISTANCE

Operating Temperature

-25°C to +80°C / -13°F to +176°F

Application Temperature

+10°C to 38°C / +50°F to +100.4°F

IP Classification

IP67

Chemical Resistance

No physical or performance changes in:

- 168 h Saltwater (salinity 10%) exposure
- 168 h Motor oil exposure
- 12 h NaOH (10%) exposure

Ideal Storage Condition

1 year in +23°C / 73.4°F, 50% RH

Expected Lifetime

Years in normal operating conditions

PERSONALISATION OPTIONS

Pre-encoding

- Customer specific encoding of EPC memory

Customised Printing

- Customer specific artwork including logo & text, numbers, barcodes etc.

ORDER INFORMATION

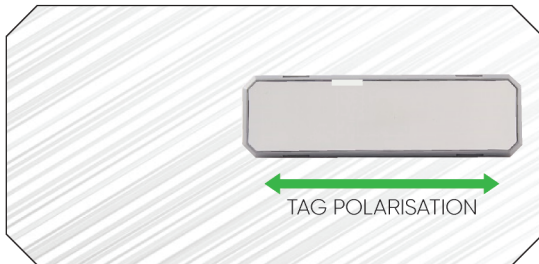
Part Number

ETSI: RF.HT.10431.E.U9xe | FCC: RF.HT.10431.F.U9xe

Packaging

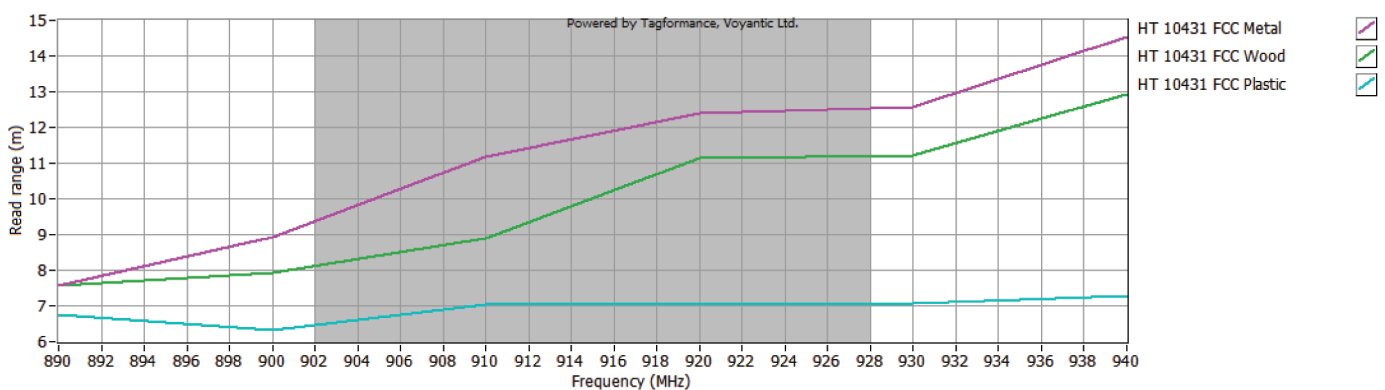
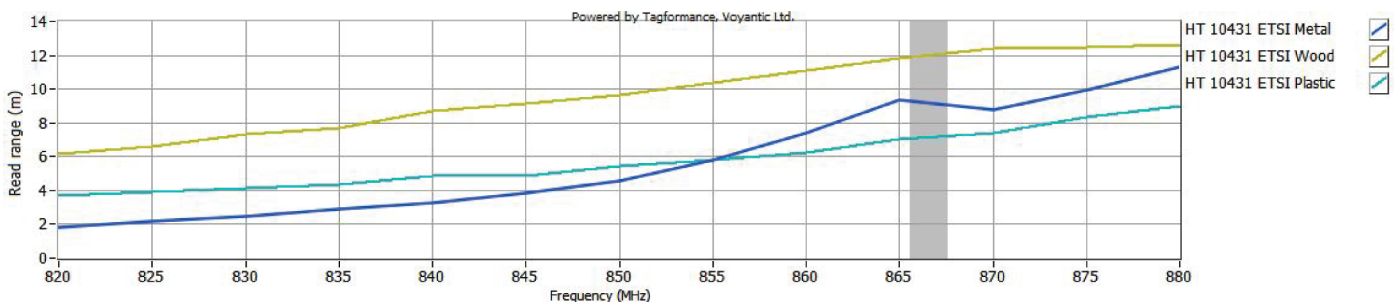
200 Per/Box;
4 Inner/Outer

PRODUCT INSTALLATION



- Adhesive: The tag is delivered with an adhesive tape attached. While mounting the tag ensure the surface is clean and dry to achieve maximum bond strength. Ideal application temperature is from +10°C to 38°C / +50°F to +100.4°F and installation beyond this temperature range is not recommended. Bond strength can be improved by applying pressure firmly while mounting the tag.
- Cable Tie: HT10431 can also be attached using cable tie. The tag features slots for passing and securing the cable tie. Metallic or plastic cable ties can also be used to mount the tag onto the surface.

READ RANGE GRAPH ETSI/FCC



* Other IC's available on request

** The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.