

The RFID product range from UPM Raflatac HF RFID tags and inlays

UPM Raflatac presents its HF product line of RFID tags and inlays designed for the global market. With a wide selection of antenna choices and protocols, UPM Raflatac HF tags and inlays offer great application flexibility and fit-for-function design in the most demanding applications.

HF 13.56 MHz ISO-compliant RFID technology is a proven, globally accepted solution for a vast array of markets. The technology is a perfect fit for item-level authentication and asset tracking solutions in healthcare, pharmaceutical and medical applications. Popular industry applications consist of library and rental item-level tagging for automated self check-out and return of printed and digital media, industrial closed loop systems for manufacturing automation, and utilization of RFID as personal currency in ticketing and customer loyalty card applications.

HF RFID technology offers proven robust performance with short-to-medium read ranges even when used around difficult materials such as liquids and metals.

Typical applications:

Media Management
Pharma, Health and Life Sciences
Industrial
Item Authentication
Ticketing

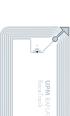


UPM Raflatac HF Standard Product Offering













Pictures are for illustration only and are not to scale.



		Delivery format	Die-cut dimensions 18 x 18 mm 43 x 43, 50 x 50 mm 18 x 36 mm 49 x 81, 54 x 86 mm 40 mm 0.71 x 0.71 in. 1.69 x 1.69, 1.97 x 1.97 in. 0.71 x 1.42 in. 1.93 x 3.19, 2.13 x 3.39 in. 1.58 in.	Antenna dimensions $15 \times 15 \text{ mm}$ $39 \times 39, 47 \times 47 \text{ mm}$ $14 \times 31 \text{ mm}$ $45 \times 76, 50 \times 82 \text{ mm}$ 37 mm $0.59 \times 0.59 \text{ in.}$ $1.54 \times 1.54, 1.85 \times 1.85 \text{ in.}$ $0.55 \times 1.22 \text{ in.}$ $1.77 \times 3.00, 1.97 \times 3.23 \text{ in.}$ 1.46 in.	Physical features	176-bit — 8-kbit 256-bit — 2-kbit 256-bit — 2-kbit 64-bit — 32k-bit 576-bit — 2-kbit	ISO15693 ISO14443A ISO14443A ISO14443A ISO14443A ISO14443A ISO14443A ISO14443A	Protocol & memory	Operating frequency 13.56 MHz 13.56 MHz 13.56 MHz 13.56 MHz 13.56 MHz 13.56 MHz	RF features Square Rectangle
•	•		$49 \times 81, 54 \times 86 \text{ mm}$ $1.93 \times 3.19, 2.13 \times 3.39 \text{ in}.$	45 x 76, 50 x 82 mm 1.77 x 3.00, 1.97 x 3.23 in.		64-bit – 32k-bit	ISO15693 ISO14443A ISO14443B	,	13.56 MHz	Rectangle
			25 mm 0.99 in.	23 mm 0.91 in.		sit 512-bit	ISO14443A		13.56 MHz	Round

Additional form factors and IC protocols may be available.

