The Biofore Company **UPM**

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

Typical end-use areas:
- Media Management
- Pharma, Healthcare and Life Sciences
- Item Authentication
- Industrial
- Ticketing

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

HF & NFC 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 checkout and return of printed and digital media, industrial closed loop systems for manufacturing automation, and utilisation of RFID as personal currency in ticketing and customer loyalty card applications.

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

UPM Raflatac. Pro RFID.
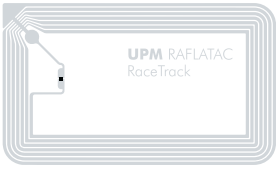
www.upmrfid.com

UPM RAFLATAC

UPM Raflatac HF and NFC Tag & Inlay Offering

RoHS

Note: Pictures are for illustration only and are not to scale.

Product name	**MiniBlock**	
IC	NXP ICode SLI	
Antenna size	15 x 15 mm / 0.59 x 0.59″	
Die-cut size	18 x 18 mm / 0.71 x 0.71″	
Application areas	item-level	
Product name	**MiniTrack**	
IC	NXP ICode SLI	
Antenna size	14 x 31 mm / 0.55 x 1.22″	
Die-cut size	18 x 36 mm / 0.71 x 1.42″	
Application areas	item-level, ticketing & NFC	
Product name	**Band**	
IC	NXP ICode SLI	
Antenna size	16 x 56 mm / 0.63 x 2.21″	
Die-cut size	20 x 60 mm / 0.79 x 2.36″	
Application areas	ticketing & NFC	
Product name	**Block**	
IC	NXP ICode SLI	
Antenna size	47 x 47 mm / 1.85 x 1.85″	
Die-cut size	50 x 50 mm / 1.97 x 1.97″	
Application areas	logistics, item-level	
Product name	**RaceTrack**	**RaceTrack**
IC	NXP ICode SLI	NXP Mifare UL
Antenna size	45 x 76 mm / 1.77 x 3.00″	45 x 76 mm / 1.77 x 3.00″
Die-cut size	49 x 81 mm / 1.93 x 3.19″	49 x 81 mm / 1.93 x 3.19″
Application areas	logistics, item-level, ticketing & NFC	logistics, item-level, ticketing & NFC
Product name	**Circus**	
IC	NXP ICode SLI	
Antenna size	16 mm / 0.63″	
Die-cut size	19 mm / 0.75″	
Application areas	item-level	
Product name	**BullsEye**	**BullsEye**
IC	NXP ICode SLI	NXP Mifare UL
Antenna size	33 mm / 1.30″	35 mm / 1.40″
Die-cut size	38 mm / 1.50″	40 mm / 1.58″
Application areas	item-level, ticketing & NFC	item-level, ticketing & NFC
Product name	**StingRay**	
IC	NXP ICode SLI	
Antenna size	113 mm / 4.45″	
Die-cut size	116 mm / 4.57″	
Application areas	item-level	

The above products' operating frequency is 13.56 MHz.

Additional form factors, ICs, IC protocols (ISO 15693, 18000-3 Mode 1, 14443 A/B) and memory sizes are available upon request.

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