

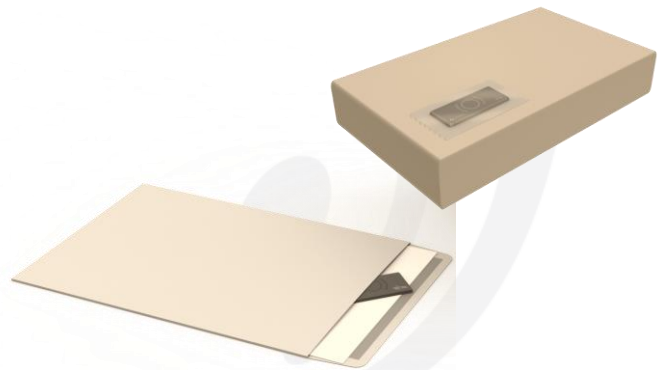
ThinTrack™

Ultra-thin and compact GPS tracker



ThinTrack™ is an ultra-low profile, compact GPS tracker solution that integrates LTE-M/NB-IoT, modem, antenna, battery, eSIM and all necessary electronics into a device that measures only 82x35x3/5/8 mm and weighs only 13/16/20g.

Suitable for insertion into envelopes or plastic pouches used for shipping documentation, this re-usable, waterproof device has a battery life of many years and is ideal for tracking individual items such as packages and letter where accurate positioning would not have been practical before.



Other potential applications for ThinTrack™ include the tracking and theft prevention of luggage, high value designer goods and tools.



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Powered by



Specification:

Ultra-thin & compact design
Cellular LTE-M/NB-IoT
Multi-year battery life
Integrated Antenna, Battery & eSIM
GPS technology powered by Nestwave
(Optional Wi-Fi) Waterproof IP54/65
Reusable & activable / rechargeable

Asset tracking & luxury solution

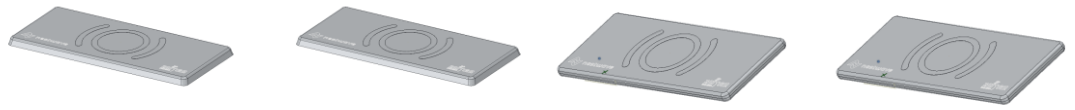
- Discretion
- Theft prevention
- Easy to use
- Multi-application
- Reusable (rechargeable option)

	Specification
Communication	LTE-M/NB-IoT
Bands	Worldwide 17 bands coverage
Protocol	CoAP over UDP
Outdoor Localisation	Assisted GPS, Galileo*
Battery	Li-Ion Polymer (LIP) or Li-MnO2
Time To First Fix (open sky)	0.5 to 2sec
Accuracy **	3 to 5m
Shipping mode	Activable via NFC
Indoor localisation	Wi-Fi Positioning System (Optional)
Wake-up	Accelerometer, NFC Flight mode
Temperature sensor	+/- 1.0°
Compliance	CE, FCC, ROHS, UN38.3
Rating	IP54 or IP65
Material	ABS plastic / Polycarbonate
Operating temperature	-20...+60°C
Charging temperature	0...+40°C

* Galileo available Q3 2022

** CEP 50%

Versions:



	ThinTrack™ Single SAM221-0xx	ThinTrack™ Ultra SAM221-1xx	ThinTrack™ Plus SAM221-2xx	ThinTrack™ Long SAM221-5xx
Size / Weight	82.6 x 35.2 x 3.0 mm -13g	82.6 x 35.2 x 3.0 mm -13g	82.2 x 34.8 x 5.0 mm - 16g	82.2 x 34.8 x 8.0 mm - 20g
Battery	150mAh - Li-Ion Polymer (LIP)	150mAh - Li-Ion Polymer (LIP)	600mAh - Li-MnO2	1200mAh - Li-MnO2
Recharge	NFC slow recharge (12h)	Wireless charging (2h)	-	-
Shipping mode	Activable via NFC	Activable via NFC	Activable via NFC	Activable via NFC
Autonomy *	Up to 1 year – 1fix/day	Up to 1 year – 1fix/day	3 years – 1fix/day	5 years – 1fix/day
Indoor localisation	Wi-Fi Positionning (Option)	Wi-Fi Positionning (Option)	Wi-Fi Positionning (Option)	Wi-Fi Positionning (Option)
Rating,	IP54, CE, FCC, ROHS, UN38.3	IP54, CE, FCC, ROHS, UN38.3	IP65, CE, FCC, ROHS, UN38.3	IP65, CE, FCC, ROHS, UN38.3

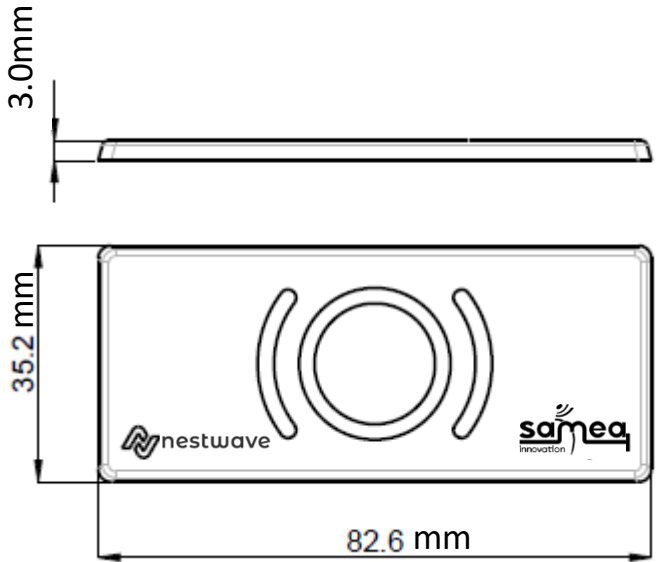
* At 25°C room temperature



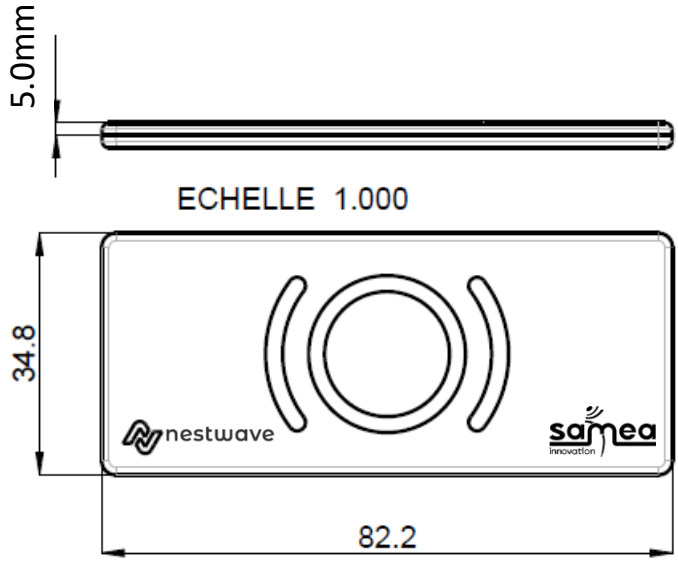
Activation with Secured NFC smartphone application. ThinTrack identification on supervision software with unique ID number

Dimensions:

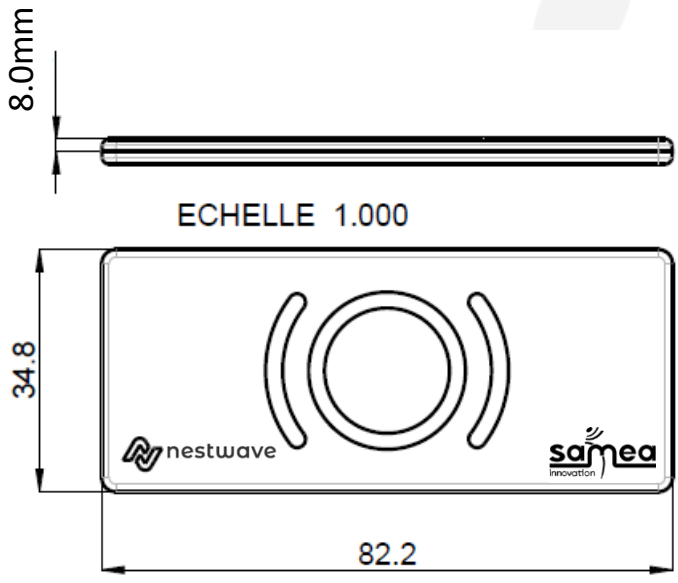
ThinTrack™ Ultra
ThinTrack™ Single



ThinTrack™ Plus



ThinTrack™ Long



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