

Specifications for standard configurations

Model	nanoFix-GEO-mini		nanoFix-GEO	nanoFix-GEO+	nanoFix-GEO+ RF	
Weight¹	1g	1.7g	1.6g	3.0g	5.0g	9.0g
Dimensions	20x10x4.5mm ²	25x11x7mm ²	24x11x7mm ³	26x12x9mm ⁴	38x15x11mm ⁵	43x15x13mm ^{5,6}
Number of GPS attempts	80 ⁷	320 ⁷	160 ⁷	160 ⁷	144 ^{7,8}	576 ^{7,8}
	80 + 1 every 10 days ⁸	320 + 1 every 10 days ⁸	160 + 1 every 5 days ⁸	160 + 4 per day ⁸	144 + 4 per day ^{8,10}	576 + 12 per day ^{8,10}
	80 + 1 per day ⁹	320 + 1 per day ⁹	160 + 2 per day ⁹	160 + 40 per day ⁹	144 + 36 per day ^{9,10}	576 + 120 per day ^{9,10}
Onboard storage	378	378	20,000	20,000	60,000	60,000
Battery	Small	Medium	Small	Small	Small	Medium

All above configurations employ an external GPS whip antenna and where applicable an internal UHF antenna.

¹tags are packaged in a waterproof coating suitable for year-long deployments, dive proof encapsulation will increase weight

² dimension includes two horizontally mounted attachment rings at the rear and two vertically mounted at the midpoint, but excludes whip antenna

³ dimension includes two horizontally mounted attachment rings at the rear and two at the front of the tag, but excludes whip antenna

⁴ dimension includes two horizontally mounted attachment rings at the rear and two vertically mounted at the front of the tag, but excludes whip antenna

⁵ dimension includes attachment tubes at front and rear of the tag, but excludes whip antenna

⁶ width dimension given is at base of tag, solar panels extend width at top edge to 22mm

⁷ minimum when operating on battery alone and in environments where reasonable GPS signals can be received

⁸ minimum when operating in overcast conditions and in environments where reasonable GPS signals can be received

⁹ when operating in good sunlight for at least 4 hours per day or moderate sunshine for 8 hours per day and in environments where reasonable GPS signals can be received

¹⁰ includes one base station contact attempt per hour to try to download data