

Space Nano

Space Nano is Airthings for Business's most compact, cost-effective, and resilient device. IP64 rated and sold as a 2-pack with up to 20 years of battery life, Space Nano is perfect for monitoring unoccupied and hard-to-reach spaces across your building regardless of temperature or humidity.



PACKAGE CONTENTS

- 2x Airthings Space Nano
- 2x Lithium AA 1.5V batteries included per product
- 2x Double-sided tape (one per product)
- Regulatory booklet
- Card with QR code, with link to get started.

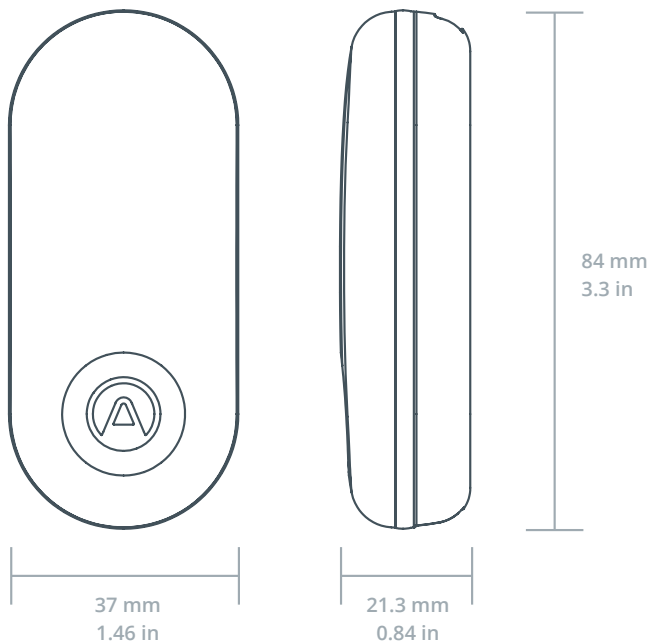
REQUIREMENTS

Space Hub is needed to post sensor values to cloud.

PHYSICAL SPECIFICATIONS

Dimensions: 1.46 x 3.3 x 0.84 in
(37 x 84 x 21.3 mm)
Weight: 0.035 oz (59.1 g) with batteries

PRODUCT DIMENSIONS



MOUNTING

Optimum product placement is on wall 4 - 6 ft (1.2 m - 1.8 m) above floor. Double sided tape for mounting included. Alternatively use the keyhole and one fully threaded countersunk screw 3.5 x 25 mm or longer (not included). For masonry/concrete add expansion plug. For plaster walls, special plugs should be used. Secure wall mount brackets for Space Nano are sold separately in 2-pack, SKU 357. If needed, the product can also be placed > 6 ft (1.8 m) above floor, but in this case, mounting with secure wall mount bracket is mandatory.

PACKAGE

2 devices included in package.
Weight: 5.64 oz (160.0 g)
Dimensions: 4.5 x 4.1 x 1.4 in
(115 x 105 x 36 mm).

PRODUCT FEATURES

Sensors: Temperature, Relative Humidity, Pressure, Light (lux).
Virtual sensors: Mold Risk Indicator, please consult web dashboard for latest.
Battery Life: Up to 20 years.

PRODUCT CODES

EU and UK 313xxxxxxx - serial number
2-pack EU and UK SKU 13130,
EAN 709003110 013 1 UPC NA
US and CA 314xxxxxxx - serial number
2-pack US and CA SKU 13140,
EAN 7090031100148 UPC 854232008682

PRODUCT SPECIFICATIONS

Operational Environment
(Temperature, Relative Humidity):
-22 °F to 140 °F (-30 °C to 60 °C) / 5% - 99%
Do not submerge in water.
IP protection grade: IP64
If used outdoors, it is recommended to mount the device using a secure wall mount bracket, and to not expose the device to direct sunlight.
Firmware updates are automatically downloaded and installed over the air (OTA) via the Space Hub.



HUMIDITY



TEMP



PRESSURE



LUX

VIRTUAL
SENSOR



MOLD RISK

Space Nano

SENSOR SPECIFICATIONS

Sensor sampling interval:
5 min default and 2.5 min optional.

TEMPERATURE AND RELATIVE HUMIDITY SENSORS

Temperature Accuracy: ± 0.4 °F / ± 0.2 °C

Humidity Accuracy: ± 2.0 % RH within product operating range.

PRESSURE SENSOR

Absolute pressure accuracy: ± 30 Pa

Unit-to-unit pressure accuracy: ± 10 Pa

Operating range for full accuracy:
300 - 1250 hPa

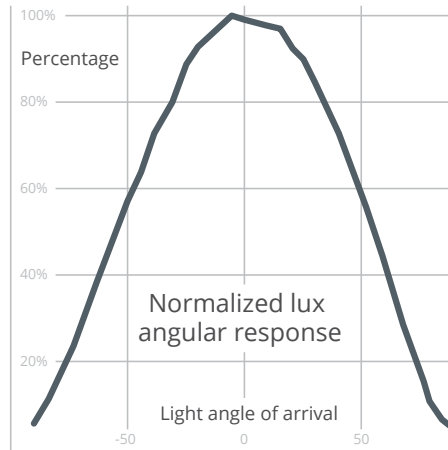
VIRTUAL SENSOR

Mold Risk Indicator. Please consult web dashboard for latest.

LIGHT SENSOR

Light sensor is measured in received luminous flux per unit area, also known as lux.

Light sensitivity varies with incoming light direction as shown in graph.



Absolute accuracy in most sensitive direction: ± 5 lux $\pm 10\%$ within 0 - 5000 lux.

RADIO SPECIFICATIONS

BLUETOOTH LOW ENERGY

Used for commissioning only.

Output power: <10 mW

Frequency Range (MHz):
2400.0 - 2483.5

AIRTHINGS SMARTLINK

Used to post sensor values.

Output power: <25 mW

Frequency range (MHz):

Europe 868 - 870

North America 902-928

PRODUCT ONBOARDING AND DAILY USE

The Space Nano sequence for initial onboarding is triggered automatically when removed from the package, based on the following conditions: (1) touch activation on the Airthings logo and (2) sufficient light in the area. The Space Nano responds with one blue blink followed by a white blinking during the search for the Space Hub.

For the next 10 minutes, the Space Nano is ready to be added to an Airthings account using the Business App (QR Code) or the Web Dashboard (S/N + ID).

The Space Nano blinks white while searching for the Space Hub until it is

connected and authenticated to the Airthings cloud. Once connected, the white blinking stops. Successful connection to the Space Hub can be confirmed at any time by touching the Airthings logo:

- Single white blink if connected via Space Hub to the cloud.
- Single blue blink if not connected.

If the SmartLink connection with the Space Hub is lost, the re-connection flow will start. Space Nano will search for Space Hub for up to 1 minute or until connected to the Space Hub. If no connection is established,

the connection retries and will repeat at increased intervals so as not to deplete batteries.

Touch activation on the Airthings logo will start the re-connection flow from scratch.



VIRTUAL SENSOR

