



AIRTHINGS | FOR BUSINESS



MONITORS



PM₁



PM_{2.5}



CO₂



LIGHT



NOISE



PRESSURE



VOC



HUMIDITY



TEMP

← VIRTUAL SENSORS: →



OCCUPANCY



VIRUS RISK



AIR CHANGES

Space Pro

Comprehensive IAQ Monitoring For The Airthings Ecosystem

- Secure and encrypted end-to-end solution
- Transmits data securely via long range smart link technology eliminating wifi risk
- Encrypted data sent via cellular powered space hub to Airthings cloud, dashboard, and mobile app
- Customizable display
- Scalable platform seamlessly integrates multiple Airthings for Business solution
- Simple and intuitive installation requiring no tools
- Reset accredited sensor
- Up to 4 years battery life or use USB-C connection



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Space Pro

Comprehensive IAQ Monitoring For The Airthings Ecosystem

DESCRIPTION

The most comprehensive indoor air quality monitor in the Airthings for Business solution, including PM, noise and more. The Space Pro has an ultra low battery consumption customizable display. Can be seamlessly added into an existing Airthings for Business solution.

PRODUCT FEATURES*

- Sensors: PM1, PM2.5, VOC, CO2, Noise, Relative Humidity, Air Pressure, Temperature, Relative Light Intensity (0 - 100%)
- Virtual Sensors: Virus Risk, Occupancy, Air Changes, Consult web dashboard for latest
- Battery life: Up to 4 years on Lithium (depending on the sensor interval settings)
Optional USB-C power available
- Firmware updates: Automatically downloaded and installed over the air (OTA) via the Space Hub

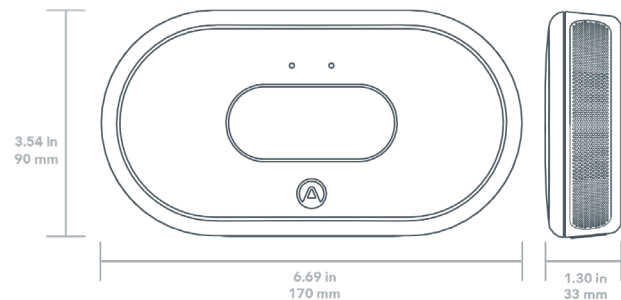
* Space Hub is needed to post sensor values to cloud. Annual subscription fee for device is required

PACKAGE CONTENT

Part Number: **SPACEPRO**

- Package Dimension: 7.9 x 4.5 x 2.4 in (200 x 115 x 60 mm)
- Weight: 15.17 oz (430 g)
- Package includes device and accessories:
 - Airthings Space Pro
 - 6 x 1.5V Lithium AA batteries
 - Double-sided tape
 - Security mount

PRODUCT SPECIFICATIONS



Serial Number: 2969xxxxxx

Dimensions: 6.69 x 3.54 x 1.30 in (170 x 90 x 33 mm)

Weight: 12.7 oz (360 g) with batteries

Operational Environment (Temperature, Relative Humidity): 39°F to 104°F (4 °C to 40 °C) / 10% - 80% (non-condensing)

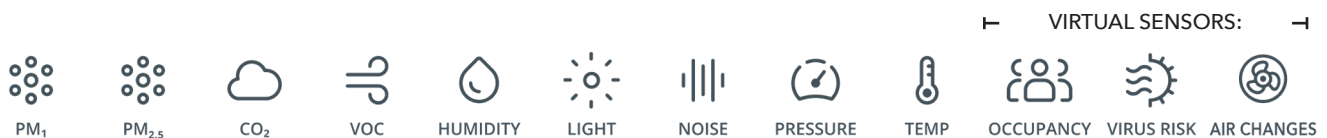
Operation in temperatures < 32 °F (0 °C) or relative humidity > 90% can cause permanent damage to the products

SmartLink frequencies: 865-868 / 902-928 MHz depending on region

MOUNTING

- Supports wall mounting or placement on table.
- Optimum product placement is breathing height of 3 - 6 ft (110 - 170 cm) above floor. Only suitable for mounting at heights below 6.56 ft (200 cm).
- Double-sided tape for wall mount included in package.
- Alternatively use 3 screws of type countersunk M4 (not included).

MONITORS - 9 CONDITIONS WITH 3 VIRTUAL SENSORS



Terms and conditions apply. Visit the Airthings website for more information.

airthings.com/en/business/terms-and-conditions

SENSOR SPECIFICATIONS

- Sensor sampling interval: 5 min.
- Space Pro offers additional configurable sensor sampling intervals from 2.5 min to 60 min for selected sensors.
- Technology for Temperature, Humidity and Pressure Sensors:
- **RELATIVE HUMIDITY SENSORS**
 - Technology: Solid state sensor
 - Resolution: 0.5 %RH
 - Accuracy: $\pm 3\%RH$ at 77 °F (25 °C)
- **TEMPERATURE SENSOR**
 - Technology: Solid state sensor
 - Resolution: 0.1 °F (0.1 °C)
 - Accuracy: ± 0.9 °F at 77 °F / ± 1.8 °F from 32-140°F (± 0.5 °C at 25 °C / ± 1 °C from 0-60 °C)
- **PRESSURE SENSOR**
 - Technology: Solid state sensor
 - Pressure Accuracy: ± 0.6 mBar/hPA (0.02 inHg) range 500-1100 mBar/hPA
- **VOC SENSOR**
 - Technology: Metal-oxide based gas sensor
 - Measurement range: 0-10 000 ppb
 - Settling time: ~7 days
 - Accuracy: $20 \mu\text{g}/\text{m}^3 + 15\%$ at values between 1 and $500 \mu\text{g}/\text{m}^3$
 - Resolution: $1 \mu\text{g}/\text{m}^3$
- **PARTICULATE MATTER PM1 AND PM2.5**
 - Technology: laser scattering based optical particle counter
 - Particle size detection range: 300 nm to 10 μm
 - Measurement Range: 1-1000 $\mu\text{g}/\text{m}^3$
 - Measurement Accuracy: below 150 $\mu\text{g}/\text{m}^3$: $\pm (5 \mu\text{g}/\text{m}^3 + 15 \%)$, above 150 $\mu\text{g}/\text{m}^3$: $\pm (5 \mu\text{g}/\text{m}^3 + 20 \%)$. Calibrated with a GRIMM reference instrument using cigarette smoke source.
 - Resolution: $1 \mu\text{g}/\text{m}^3$
 - Classified as Class 1 Laser per IEC60825-1 Ed. 3. This device complies with 21 CFR 1040.10 and 1040.11, except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019. Caution: This device contains one or more lasers. Use other than as described in the user guide, repair, or disassembly may cause damage, which could result in hazardous exposure to infrared.
- **CO2 SENSOR**
 - NDIR Sensor (Non-Dispersive Infra-Red):
 - Measurement range 400–5000 ppm.
 - Settling time: ~7 days
 - Accuracy ± 50 ppm $\pm 5 \%$ at 400-2000 ppm within 50 - 95 °F (10 – 35 °C) and 0 – 80 %RH, after initial settling time of 7 days.
 - Resolution: 1 ppm
- **LIGHT SENSOR**
 - Measurement range: 0 - 100 %
- **NOISE SENSOR**
 - Dynamic range: 35 - 120 dBA SPL (optimization pending)
- **VIRTUAL SENSORS**
 - Occupancy
 - Virus Risk
 - Air Changes

RADIO SPECIFICATIONS

- **BLUETOOTH LOW ENERGY**
 - Output power: <5mW
 - Frequency Range (MHz): 2400.0 - 2483.5
- **AIRTHINGS SMARTLINK**
 - Output power: <25 mW
 - Frequency range (MHz): North America 902 - 928



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