

Airthings for Business

A complete and flexible air quality monitoring solution for any building



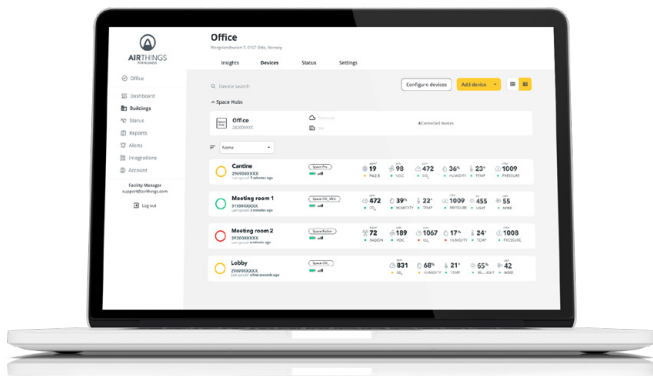
airthings.com/business

Airthings for Business allows businesses to monitor, measure and analyze their indoor air quality. Improving the health and wellbeing of a building directly impacts productivity and energy efficiency, be it an office building, residential block, medical facility or educational institution.

DASHBOARD AND API

The Space Hub connects your Airthings devices online. Access real-time data from all your devices from the Airthings Dashboard, or through the API or a Webhook. The Airthings Dashboard includes alerts, advanced analytics and reporting. In addition, easily view, compare and export data and receive tips to reduce indoor air hazards, optimize ventilation and save on energy costs.

Each Airthings for Business Subscription includes unlimited cloud storage of sensor data.



PM₁



PM_{2.5}



CO₂



VOC



HUMIDITY



TEMP



RADON



PRESSURE



LIGHT



NOISE



VIRTUAL
SENSORS



MOLD RISK



OCCUPANCY



VIRUS RISK

Space Hub

formerly Hub for Business

The Space Hub is an integral part of the Airthings ecosystem which collects data from in-range sensors and provides real-time access to all the information you need to optimize air quality in your building.

AIRTHINGS SMARTLINK

SmartLink is the Airthings proprietary long range and low power IoT protocol between Hub and Airthings devices. SmartLink connectivity can typically penetrate 3 thick walls/floors or 10 drywalls (non-loadbearing walls). Airthings devices will always connect to the closest Hub and additional Hubs can be installed to increase coverage. The mounting bracket allows for placing the Airthings for Business Solution products on a flat surface or fixing it with double-sided tape or screws to the wall.

PACKAGE CONTENT

Airthings Space Hub
Ethernet cable
Mounting bracket
Rubber bumper pads (for flat surface)
Double-sided tape (for wall mount)
Power supply adaptor
US interchangeable supply blade
EU interchangeable supply blade
UK interchangeable supply blade
AU interchangeable supply blade
Optional Power over Ethernet-splitter for combined power supply and ethernet connection.

PRODUCT CODES

HUB CELLULAR, MODEL 2820
EAN: 7090031108205
SKU: 282
Device serial number: 2820xxxxxx

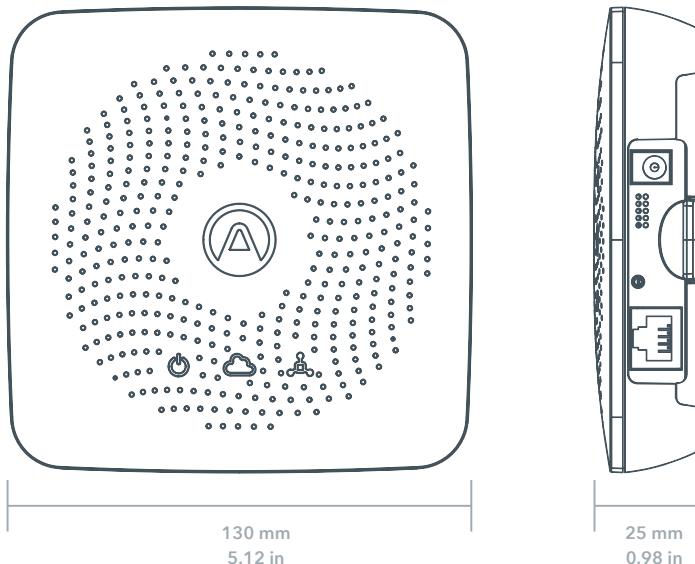
REQUIREMENTS

Dimensions: 5.12 x 5.12 x 0.98 in
(130 x 130 x 25 mm)
HUB CELLULAR, MODEL 2820
Weight: 9.1 oz (258 g)
Cellular connection with built-in eSIM or Ethernet connection.

PACKAGE

Dimensions: 6.22 x 6.22 x 3.11 in
(158 x 158 x 79 mm)
HUB CELLULAR, MODEL 2820
Weight: 20.2 oz (574 g)

PRODUCT DIMENSIONS



Space Pro

formerly View Plus for Business



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.

PACKAGE CONTENT

Airthings Space Pro
6 x Lithium AA batteries
Double-sided tape
Security mount
Optional USB cable 6 ft. (1.8 m) (5 pack)
Optional bracket for fixed power supply
Optional in-wall fixed power supply

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).

PRODUCT FEATURES

Sensors: PM₁, PM_{2.5}, VOC, CO₂, Noise, Relative Humidity, Air Pressure, Temperature, Relative Light Intensity (0 - 100 %)
Battery life: Up to 4 years on Lithium (depending on the sensor interval settings)

REQUIREMENTS

Weight: 12.7 oz (360 g) with batteries
Dimensions: 6.69 x 3.54 x 1.30 in (170 x 90 x 33 mm)
Airthings Space Hub needed to post sensor values to cloud

PACKAGE

Dimensions: 7.9 x 4.5 x 2.4 in (200 x 115 x 60 mm)
Weight: 15.17 oz (430 g)

PRODUCT SPECIFICATIONS

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
Firmware updates are automatically downloaded and installed over the air (OTA) via the Airthings Space Hub
SmartLink frequencies: 865-868/902-928 MHz depending on region

PRODUCT CODES

Device serial number: 2969xxxxxx
US / CANADA EAN: 7090031109615
SKU: 961 Model: 2969
EUROPE EAN: 7090031109622 SKU: 962
SINGAPORE / HONG KONG
EAN: 7090031109639 SKU: 963
AUSTRALIA EAN: 7090031109646
SKU: 964
INDIA EAN: 7090031109653 SKU: 965



Space Pro

SENSOR SPECIFICATIONS

Sensor sampling interval: 5 min.

Space Pro offers in addition configurable sensor sampling intervals from 2.5 min to 60 min for selected sensors.

Technology for Temperature, Humidity and Pressure Sensors:

RELATIVE HUMIDITY SENSOR

Technology: Solid state sensor

Resolution: 0.5 %RH

Accuracy: ± 3 %RH at 77 °F (25 °C) within 20-80 %RH

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: $20 \mu\text{g}/\text{m}^3 + 20\%$ of reading at values between 150 and $2000 \mu\text{g}/\text{m}^3$

PARTICULATE MATTER PM₁ AND PM_{2.5}

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)

VIRUS RISK

Virtual sensor

RADIO SPECIFICATIONS

BLUETOOTH LOW ENERGY

Output power: <5 mW

Frequency Range (MHz):
2400.0 - 2483.5

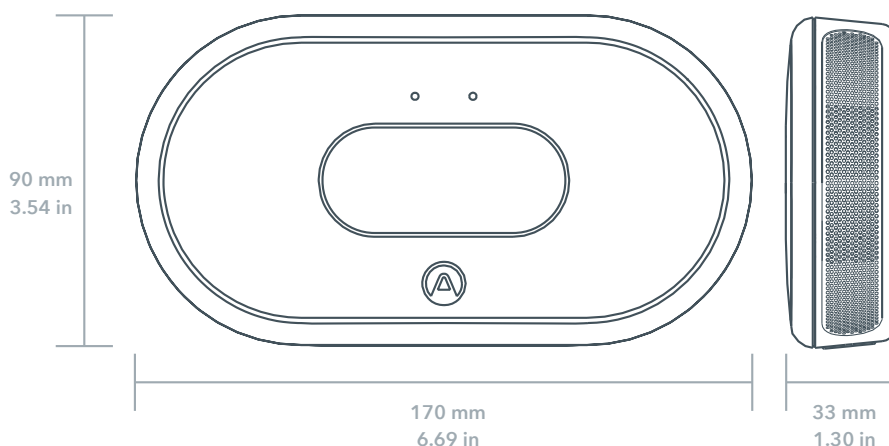
AIRTHINGS SMARTLINK

Output power: <25 mW

Frequency range (MHz):
Europe 868 - 870
North America 902-928

Singapore 920-923
Hong Kong 920-923
Australia 923-928
India 865-870

PRODUCT DIMENSIONS



**VIRTUAL
SENSORS**



Space Plus

formerly **Wave Plus for Business**



Space Plus gives full visibility into radon, carbon dioxide (CO₂), airborne chemicals and odors (VOCs), humidity, temperature, air pressure and light - seven key factors of IAQ. It's the ideal solution for employers, facility managers and schools.

PACKAGE CONTENT

Airthings Space Plus
2 x 1.5V Lithium AA Batteries
Double-sided tape
Optional theft protection lid

MOUNTING

Supports wall mounting or placement on table. Optimum product placement is breathing height of 3.6 - 5.6 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 1 screw of type countersunk M4 (not included)

PRODUCT FEATURES

Sensors: Radon, CO₂, VOCs, Temp, Relative Humidity, Air Pressure, Relative Light intensity (0 - 100 %)
Battery life: Up to 2 years on Lithium (1.5 years on Alkaline)

PHYSICAL SPECIFICATION

Weight : 7.72 oz (219 g) with
2 x AA Lithium batteries
Dimensions: 4.72 x 1.42 in (120 x 36 mm)

REQUIREMENTS

Airthings Space Hub needed to post sensor values to cloud

PACKAGE

Dimensions: 6.02 x 6.02 x 1.81 in
(153 x 153 x 46 mm)
Weight: 12.2 oz (346 g)

PRODUCT CODES

Device serial number: 2930xxxxxx
USA / CANADA EAN: 7090031109318
SKU: 931 Modell: 2930
EUROPE EAN: 7090031109325 SKU: 932
SINGAPORE / HONG KONG
EAN: 7090031109332 SKU: 933
AUSTRALIA EAN: 7090031109363
SKU: 936
INDIA EAN: 7090031109356 SKU: 935

PRODUCT SPECIFICATIONS

Operational Environment (Temperature, Relative Humidity):
Space Plus: 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
Firmware updates are automatically downloaded and installed over the air (OTA) via the Airthings Space Hub.



CO₂



VOC



HUMIDITY



TEMP



RADON



PRESSURE



LIGHT

VIRTUAL
SENSORS



OCCUPANCY



VIRUS RISK



VENTILATION
RATE

Space Plus

SENSOR SPECIFICATIONS

Sensor sampling interval:
5 min, except radon 60 min

RADON SENSOR

Passive diffusion chamber
Detection method: Alpha spectrometry
Measurement range: 0 – 20,000 Bq/m³
(0 - 5,405 pCi/L)
Long term measurement accuracy at
200 Bq/m³ (5.4 pCi/L):
After 7 days ±10 %, after 2 months ±5 %

VOC SENSOR

Measurement range: 0-10 000 ppb
Resolution: 1 ppb
Settling time: ~7 days
Accuracy: 20 µg/m³ + 20% of reading at
values between 150 and 2000 µg/m³

CO₂ SENSOR

NDIR Sensor (Non-Dispersive Infra-Red):
Measurement range 400–5000 ppm
Resolution: 1 ppm
Accuracy: ±30 ppm ±3 % within 59 to 95
°F (15 - 35 °C) and 10 – 80 % RH can be
reached after multiple settling cycles
on locations with natural indoor CO₂
fluctuations
Settling time: ~7 days

RELATIVE HUMIDITY SENSOR

Technology: Solid state sensor
Resolution: 0.5 %RH
Accuracy: ±3 %RH at 77 °F (25 °C)
within 20-80 %RH

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
Resolution: 0.02 mbar/hPa (0.0006 inHg)
Absolute accuracy:
±0.6 mbar/hPa (0.02 inHg)
Relative accuracy:
±0.12 mbar/hPa (0.0035 inHg)
Measurement range:
500-1100 mbar/hPa (14.77 - 32.48 inHg)

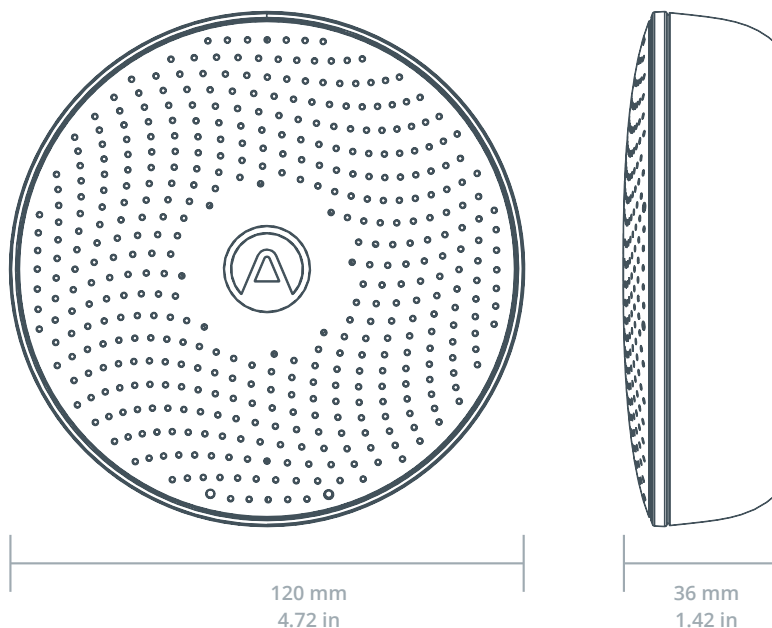
LIGHT SENSOR

Measurement range: 0 - 100 %

VIRTUAL SENSORS

Occupancy
Virus Risk
Ventilation Risk

PRODUCT DIMENSIONS



Space CO₂

formerly View CO₂ for Business



CO₂ monitoring made easy for any building, anywhere. The Space CO₂ has an ultra energy efficient customizable display. Can be seamlessly added into an existing Airthings for Business solution.



PACKAGE CONTENT

Airthings Space CO₂
6 x Lithium AA batteries
Double-sided tape
Optional theft protection lid (5 pack)
Optional USB cable 6 ft. (1.8 m) (5 pack)

REQUIREMENTS

Weight: 12.7 oz (360 g) with batteries
Dimensions: 6.69 x 3.54 x 1.30 in
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PACKAGE

Dimensions: 7.9 x 4.5 x 2.4 in
(200 x 115 x 60 mm)
Weight: 15.17 oz (430 g)

PRODUCT FEATURES

Sensors: CO₂, Noise, Relative Humidity, Temperature, Relative Light Intensity (0 - 100 %)
Virtual sensors included:
Virus Risk Indicator
Battery life: Up to 10 years on Lithium (depending on the sensor interval settings)

PRODUCT SPECIFICATIONS

Operational Environment (Temperature, Relative Humidity):
39 °F to 104 °F (4 °C to 40 °C) / 10 - 80 % (non-condensing)
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SmartLink frequencies: 865-868/902-928 MHz depending on region



CO₂



HUMIDITY



TEMP



LIGHT



NOISE

VIRTUAL
SENSORS



OCCUPANCY



VIRUS RISK

Space CO₂

SENSOR SPECIFICATIONS

Sensor sampling interval: 5 min.

Space CO₂ offers in addition configurable sensor sampling intervals from 2.5 min to 60 min for selected sensors.

Technology for Temperature and Humidity Sensors

TEMPERATURE AND RELATIVE HUMIDITY SENSORS

Temperature Accuracy: ± 0.9 °F (± 0.5 °C)

Humidity Accuracy: ± 3 %RH

CO₂ SENSOR

NDIR Sensor (Non-Dispersive Infra-Red):

Measurement range 400-5000 ppm

Settling time: ~7 days

Accuracy ± 50 ppm ± 3 % within 50 - 95 °F (10 - 35 °C) and 0 - 80 %RH, after initial settling time of 7 days

LIGHT SENSOR

Measurement range: 0 - 100 %

NOISE SENSOR

Dynamic range: 35 - 120 dBA SPL (optimization pending)

VIRUS RISK

Virtual sensor

RADIO SPECIFICATIONS

BLUETOOTH LOW ENERGY

Output power: <5 mW

Frequency Range (MHz):
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AIRTHINGS SMARTLINK

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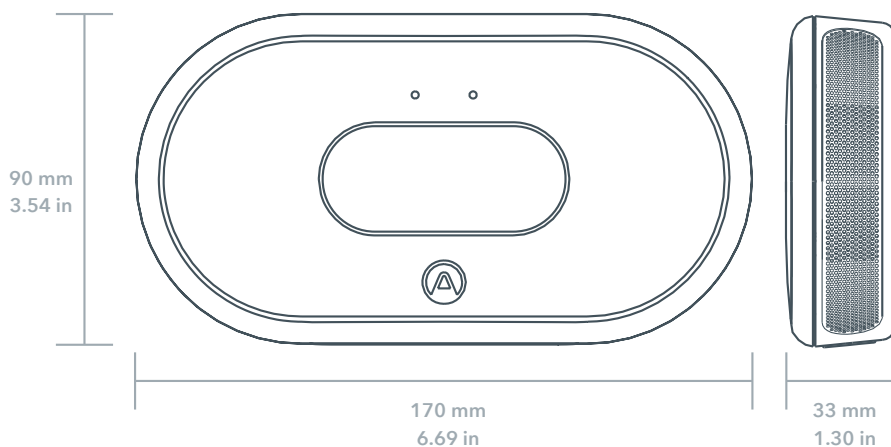
Singapore 920-923

Hong Kong 920-923

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PRODUCT DIMENSIONS



VIRTUAL
SENSORS

