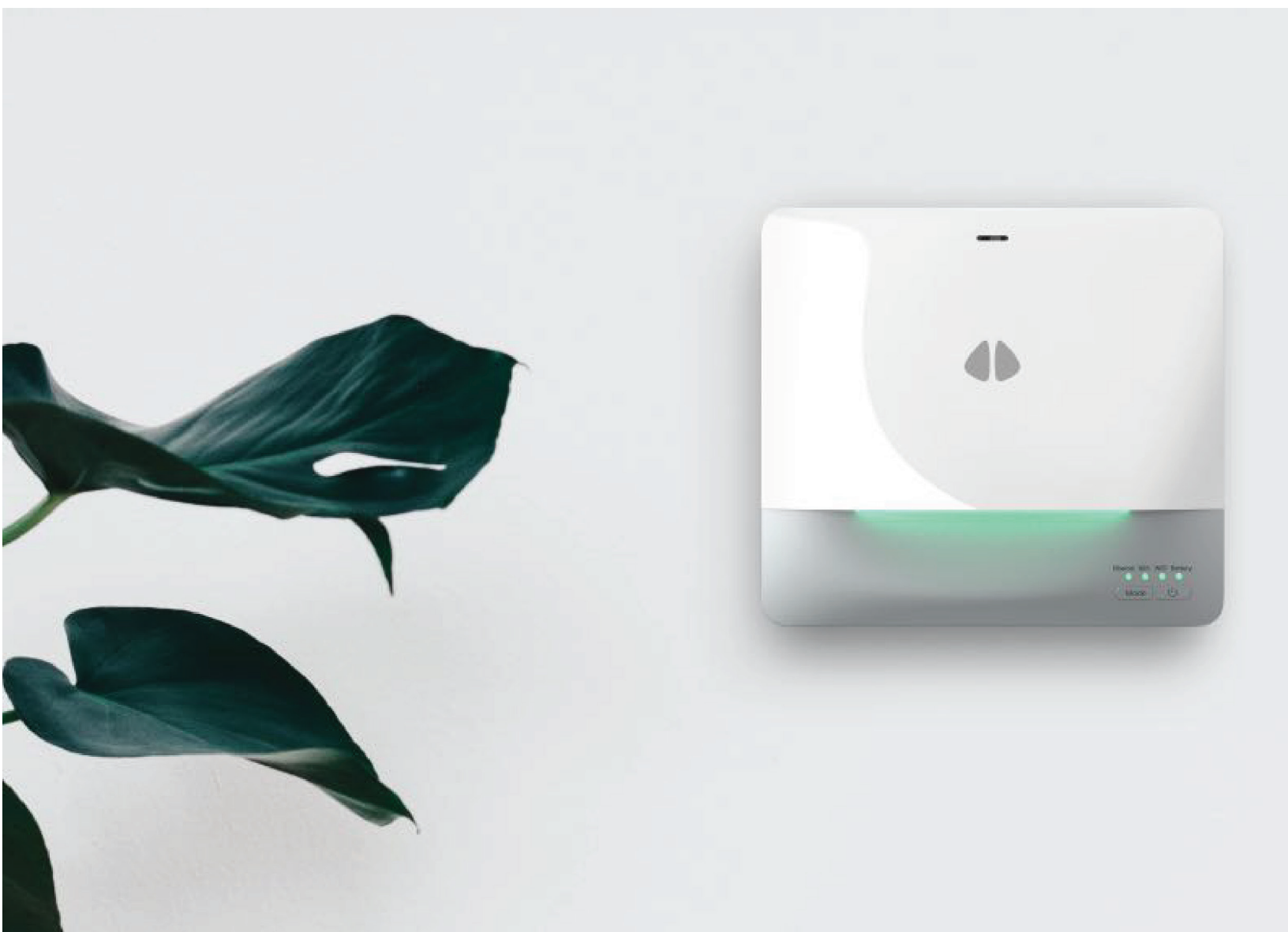


Technical Specifications

Wall-mounted or Table Top Environmental Air Quality Monitor



uHoo Aura

The Most Comprehensive Environmental Quality Monitor

Temperature, Relative Humidity, TVOC, Particulate Matter (PM₁, PM₂₋₅, PM₄, PM₁₀), Carbon Dioxide (CO₂), Formaldehyde, Carbon Monoxide (CO), Air Pressure, Light, Sound

GENERAL		DESIGN	
Installation:	Wall-mounted	Dimensions (W x L x D):	200mm x 180mm x 57mm or 7.8in x 7.1in x 2.2in
Operating Temperature:	10°C to 50°C 14°F to 122°F	Weight:	765g or 1.7lbs
Operating Humidity:	5% to 95%, Non-condensing	Material:	ABS Plastic
Built-in Fan:	Yes	Mechanical Protection:	IP43 Ratings with Dust-filtering Mesh
OTA Firmware Update:	Yes	Light Indicators:	Air Quality, SIM, Ethernet, Wi-Fi, Battery (Software-controllable)
Accessories:	5V/2A USB Adapter (region-specific), 1.5m USB Cable, Mounting Tape, Tapping Screws, Wall Plugs, Air Health and Virus Index Sticker	Screen Display:	No
DATA		POWER	
Log Interval:	Once per Minute	Main Power Source:	5V/2A USB Adapter
Backup:	Every 15-minute Interval up to 48 hours on Local Flash Memory Permanent on Cloud	Backup Power Source:	3250mAh @ 3.6V Lithium-ion Battery
Format:	Minute, Hourly Average, Daily Min/Max/Average + Analytics	Power Consumption:	900 mW (Normal Operation) and 1.1 W (Data Transmission)
APIs:	Yes		
USER INTERFACE		CERTIFICATIONS	
uHoo Account:	Contact business@getuhoo.com for Account Registration	Radio:	FCC, IC, CE, TELEC, NTC
Web Dashboard:	Support All Major Browsers	Safety:	FCC, IC, CE, PSE
Mobile App:	uHoo Business	Battery:	UN38.3, UL 62368, CB (IEC 62133-2017), PSE
Minimum OS Requirement:	iOS 11 (64-bit Devices) or Android 4.3 and Versions Above	Environmental:	RoHS, REACH, WEEE, Free of SCCP and HBCDD Contents
CONNECTIVITY			

Choose your connectivity protocol from the following options*

1. Nb-IoT

Description:	LTE Cat M1 / NB1 and EGPRS Module
LTE Bands:	Multi-regional. 1/2/3/4/5/8/12/23/18/19/20/25/26
SIM Card:	Micro-SIM Supporting M1/NB1 Network Access. Contact your Local Telecommunication Service Provider for More Details.

2. Wi-Fi (Setup using mobile app)

Standard:	802.11 a/b/g/n @ 2.4GHz and 5GHz (20MHz Channels Only)
Security:	Open, WEP, WPA/WPA2-Personal

*There is only one connectivity protocol used by each device. Be sure to select your preferred option when ordering to ensure it is compatible with your setup.

SENSOR SPECIFICATIONS

SENSORS	RANGE	RESOLUTION	ACCURACY
Temperature	-40 to 85°C	0.1°C	± 0.5°C
Relative Humidity	0 to 100%	0.1%	± 3%
Air Pressure	300 to 1,100 mBAR	0.1 mBar	± 1 mBar
Light	0 to 40,000 lux	1 lux	± 20 lux or ± 5% of actual value
Sound	30 to 120 dB	+/- 1db	Sensitivity: -26 dBFS SNR: 64 dB : 122.5 dB SPL
PM ₁	0 - 1000 µg/m ³	1 µg/m ³	± 10 µg/m ³ (0 to 100 µg/m ³) ± 10% (100 to 1000 µg/m ³)
PM ₂₋₅	0 - 1000 µg/m ³	1 µg/m ³	± 10 µg/m ³ (0 to 100 µg/m ³) ± 10% (100 to 1000 µg/m ³)
PM ₄	0 - 1000 µg/m ³	1 µg/m ³	± 25 µg/m ³ (0 to 100 µg/m ³) ± 25% (100 to 1000 µg/m ³)
PM ₁₀	0 - 1000 µg/m ³	1 µg/m ³	± 25 µg/m ³ (0 to 100 µg/m ³) ± 25% (100 to 1000 µg/m ³)
TVOC	0 to 60,000 ppb	1 ppb	± 15 %
Carbon Dioxide	400 to 10,000 ppm	1 ppm	± 30 ppm plus 3% of actual value
Carbon Monoxide	0 to 1,000 ppm	0.1 ppm	± 2 ppm
Formaldehyde	0 to 2,000 ppb	1 ppb	± 30 ppb (0 to 300 ppb) ± 10% (300 to 2000 ppb)

CONNECTIVITY

uHoo Aura Base Device Measures the Following:
Temperature, Relative Humidity, Air Pressure, Light, Sound, PM₁, PM₂₋₅, PM₄, PM₁₀, TVOC, Carbon Monoxide (CO), Carbon Dioxide (CO₂), Formaldehyde (HCHO) and Virus Index™

Module A: In addition to the 13 sensors of the uHoo Aura Base device, you can customize it to measure more parameters by choosing one of the options below:

- Nitrogen Dioxide (NO₂), and Ozone (O₃)
- Nitrogen Oxide (NO)
- Sulfur Dioxide (SO₂)
- Hydrogen Sulfide (H₂S)
- Ammonia (NH₃)
- Oxygen (O₂)

Module B: Temperature, Relative Humidity, Carbon Dioxide (CO₂), TVOC, Air Pressure

Module C: PM₁, PM₂₋₅, PM₄, PM₁₀