



Product Specifications

Awair Omni's sophisticated sensor technology measures the temperature, humidity, carbon dioxide (CO₂), chemicals (TVOCs), and fine dust (PM2.5) in your space. Each sensor is calibrated twice to ensure accuracy, and their internal layout with the casing facilitates natural airflow and consistent readings.

PRODUCT FEATURES

- Real-time and historical indoor air quality data
- Customizable dashboards accessible from any device
- Personalized alerts and notifications
- Weekly reports with air quality insights
- Customizable display mode for public spaces
- Floor plan view
- Air quality monitored at 10s intervals
- Accurate, high-quality sensors
- Easy onboarding and installation

DIMENSIONS

Width: 3.85 in (98 mm)
 Height: 3.85 in (98 mm)
 Depth: 1.35 in (34 mm)
 Weight: 0.49 lbs (220 g)

MOUNTING

Device should be centrally located within the space and in the "breathing zone" between 3 - 6 ft (90 - 180 cm) from the ground. Maximum installation height - 6ft (180cm).

CONNECTIVITY

Wi-Fi (2.4 GHz 802.11 b/g/n)
 Gateway (LoRa)
 Ethernet (LAN/WAN)
 BacNet (MS/TP or IP)
 REST API

WARRANTY & DURABILITY

Standard warranty: One year. For help visit support.getawair.com.
 Durability: Drop tested at 4.9ft (1.5 m)

POWER

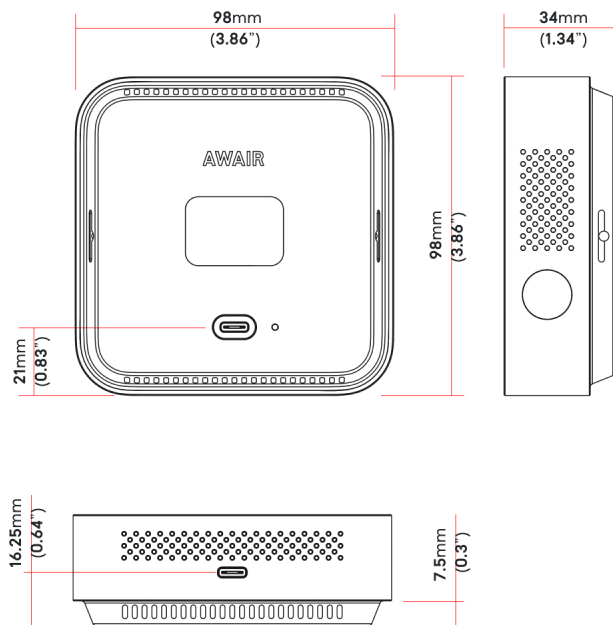
USB-C: 100/240 VAC (50/60 Hz)
 Power over Electrical Wiring: 5 ~ 26 VAC (50/60 Hz) or 7 ~ 37 VDC
 Power over Ethernet (PoE) 802.3 af/at
 Backup battery: Rechargeable Lithium-ion battery up to 9 hours battery life (depending on settings)
 Power Consumption: 1.76W (max: 2.6W, 6.5W w/battery charging).
 Total: Less than 1.3kWh/month (operating for 30 days)

Breathe better. Work better. Live better with Awair.

getawair.com/AwairOmni

SENSOR SPECIFICATIONS

Sensor	Range	Accuracy	Resolution	Sensor	Other
Temperature	-40 to 257°F (-40 to 125°C)	± 0.2°C	0.015°C	Complementary metal-oxide semiconductor sensor (CMOS)	Selectable display - °F or °C
Relative Humidity	0 – 100% RH	± 2% RH	0.01% RH	Complementary metal-oxide semiconductor sensor (CMOS)	-
CO ₂	400 – 5000 ppm	±3% or ± 30 ppm of reading	1 ppm	Non-dispersive infrared sensor	Dedicated sensor
Total Volatile Organic Compounds (TVOCs)	20 -38,820 ppb	±15% of reading	1 ppb	Multi-pixel metal-oxide semiconductor sensor	Calibrated using ISO 16000-9:2006
Fine Dust PM2.5+PM10	1 – 1000 µg/m3	± 15% (max ±15 µg/m3)	1 µg/m3	Optical laser, light scattering sensor	Calibrated with TSI Dustrak 8530 using cigarette smoke. PM10 estimated from PM 2.5.
Illuminance	0.96 – 64,000 lux	±10%	0.1 lux	Photodiode, integrated ambient and infrared light to digital converter	-
Sound Pressure	48 - 90 dBA	±3 dBA Leq	0.1 dBA	Analog MEMS microphone	Sensitivity: -26dBFS. Does not record audio; privacy conscious.



- Operating environment: (Temperature/Relative Humidity) 41 to 113°F (5 to 45°C)/ 10 to 80% (non-condensing).
- Calibration: Ongoing auto calibration of sensors.
- Firmware: Updates automatically downloaded and installed by Wi-Fi, Ethernet, or Gateway (LoRa).
- Data storage: Up to 10 days when offline.

BUILDING CERTIFICATIONS

RESET

IWBI WELL & WELLv2

LEED 4.1 (ARC)

Living Building Challenge (LBC)

Fitwel



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