



homecleanse
GUARDIAN

Product Specification Sheet





Product Description

HomeCleanse Guardian is a precision-crafted monitoring system that transforms invisible air risks into clear insights, protecting your home, your family, and your peace of mind.

Product Dimensions & Weight



Product Code:	HC-Guardian-2.0
Monitor Dimensions:	6" x 4.5" x 1.5"
Screen Dimensions:	5" Touch Screen
Weight:	0.95lbs.

Installation Options

In-room | What comes in the box:



(2) Wall Mount Plates
(1) Thick / (1) Thin



(2) Screws
(2) Anchors



Allen Wrench
(2) Hex Screws



(2) Sensor Capsules



Power Adapter
With USB-C Cable



Ethernet Cable CAT6e



(1) IAQ Monitor



Certificate Of
Calibration



Key Features



Advanced dashboard functionality



Custom alert features



On site replaceable modular sensors
(customized sensor option available)



Up to 2 hours of backup battery life
2 hours with display off & 1 hour with display on



Optional: Heated Induct Tube

Dashboard Features



Real time synchronization to
dashboard every 1 minute



Customized live kiosk view



Enterprise user access hierarchy



Automated data analytics reports



Export historical data.

- Email directly from the device
- Export from the Dashboard



Receive notifications and alerts via
email and/or dashboard



8GB on-board memory
8 months of local storage



Set custom baselines and KPIs



Monitor multiple devices

Integration Options

- BACnet IP
- BACnet MS/TP
- MODBUS RS-485
- MODBUS IP
- API (Cloud & Local)
- MQTT (Cloud & Local)
- Local server deployment





Power Input Options



PoE (Consumption of 12.95W)



24V AC Direct Wire



Low Voltage 24V



10-30V DC Direct Wire



110-240V AC USB-C Powered

Connectivity & Security



WiFi



Inbuilt 4G LTE



Ethernet



Serial Communication (RS-485)

Fully Compliant With



Certifications



RoHS



FCC



CE



Sensor Specifications

Specifications	Sensor Type	Measuring Range	Sensor Output Resolution	Accuracy
Particulate Matter (PM): PM 0.1- 0.3, 0.5, 1.0, 2.5, 5.0, 10.0	Laser Particle Sensor	0 - 1,000 µg/ m ³	1µg/ m ³	±10%
Particulate Count (PC): PC 0.1- 0.3, 0.5, 1.0, 2.5, 5.0, 10.0	Laser Particle Sensor	0 - 6,000,000 count per ft ³	1 count/ft ³	±10%
Total Volatile Organic Compounds (TVOC):	Metal Oxide Semiconductor Sensor	1 - 60,000ppb	1ppb	±15%
Carbon Dioxide (CO ₂):	Non-Dispersive Infrared Detector (NDIR)	400-10,000ppm	1ppm	±3%
Ozone (O ₃):	Solid Polymer Electrochemical Sensor	0-100ppm	0.01ppm	±2%
Temperature (°C):	Digital Sensor	-20 °C to 100 °C	0.1 °C	±2 %
Humidity (RH):	Digital Sensor	0 - 100% RH	0.1% RH	±3% RH
Mold Index:	Algorithm		Range: 0 -100	
Optional CO Sensor:	Solid Polymer Electrochemical Sensor	0-100ppm	0.1ppm	±2%
Optional NO ₂ Sensor:	Solid Polymer Electrochemical Sensor	0-100ppm	0.1ppm	±2%
Optional Air Pressure Sensor:	MEMS Sensor	300-1,100 hPa	1hPa	±3%
Optional SO ₂ Sensor:	Solid Polymer Electrochemical Sensor	0-100ppm	0.1ppm	±2%
Optional THC Index:	Algorithm		Range: 0 -100	
Optional VAPE Index:	Algorithm		Range: 0 -100	

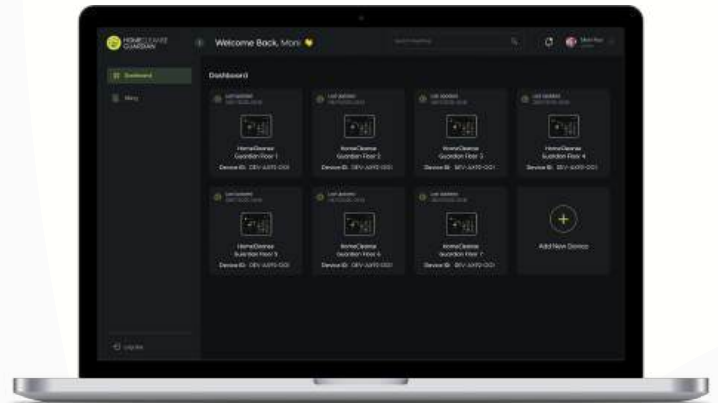


The Guardian Experience

Exclusive Web And Mobile App

Stay connected to your home's health from anywhere in the world. Real-time air quality insights, beautifully designed for clarity, convenience, and control.

Set up in minutes with a single QR code, no complicated steps or technical hassle.



Your Air Made Visible In Real-Time

Humidity Levels: Get alert the moment humidity in your home exceeds 60, helping you stop mold before it starts.

Carbon Dioxide (CO₂): Know instantly when CO₂ levels rise above 1000 ppm, so your air always stays fresh and balanced.

Volatile Organic Compounds (VOCs): Detect harmful VOCs released from furniture, paint, and everyday household products.

Fine Particulate Matter (PM2.5 & PM10): Track fine particles (PM2.5 & PM10) that slip into your lungs and affect your breathing.

Temperature & Air Flow: Stay comfortable as HomeCleanse Guardian monitors your home's temperature and airflow.



Unmatched Precision

See what your eyes cannot. Guardian tracks particles from 0.1 to 10 microns, plus the humidity and temperature that drive mold growth, so invisible changes in your air become visible in real time.



Smart Notifications

Receive intelligent alerts the moment your air shifts beyond healthy thresholds, whether you are at home, at work, or abroad.

Oversight By HomeCleanse Experts

When risks appear, our experts are notified too. A member of our team will call you directly to guide the next steps.

Name	Description	Location	Value	Threshold	Alert Type	Date & Time
Alert 1	High Nitrogen Dioxide (NO2) detected	Living Room	2500	1000	Unhealthy	2023-10-27 10:00
Alert 2	High Particulate Matter (PM2.5) detected	Bedroom	2000	1000	Unhealthy	2023-10-27 10:05
Alert 3	Low Oxygen (O2) detected	Kitchen	20	21	Unhealthy	2023-10-27 10:10
Alert 4	High Temperature detected	Living Room	25	22	Unhealthy	2023-10-27 10:15
Alert 5	High Humidity detected	Living Room	45	40	Unhealthy	2023-10-27 10:20



HomeCleanse Guardian Dashboard

The device comes along with a Service Agreement that allows users to access to the HomeCleanse Guardian Air Dashboard. By default, each unit is sold with a 1 year Service Agreement, which can be renewed on an annual basis.

Main Features Of The HomeCleanse Guardian Dashboard:

-  Full access to real-time air data, reporting and analytics
-  Intuitive user interface
-  Remote device management
-  Access to outdoor air quality data to enable insightful comparisons
-  Customized live kiosk views to display and share internally or externally on a TV, monitor, tablet, etc. selected air data
-  View historical air quality data and trends
-  Customizable settings
-  Set accurate threshold alerts and notifications
-  Continuous security and feature enhancement updates
-  Establish and store baseline values to enable customized KPIs to easily show changes in indoor air quality

Services Provided With The HomeCleanse Guardian Dashboard:

-  Training, commissioning, and set up
-  24/7 technical support
-  Access to HomeCleanse API
-  Comprehensive weekly/monthly/quarterly analytics reports
-  Enterprise account set up
-  Replacement / calibration of sensor capsules
-  Local server deployment application options
-  Scenario based before and after evaluations for implemented air improvement measures or changes to a facility