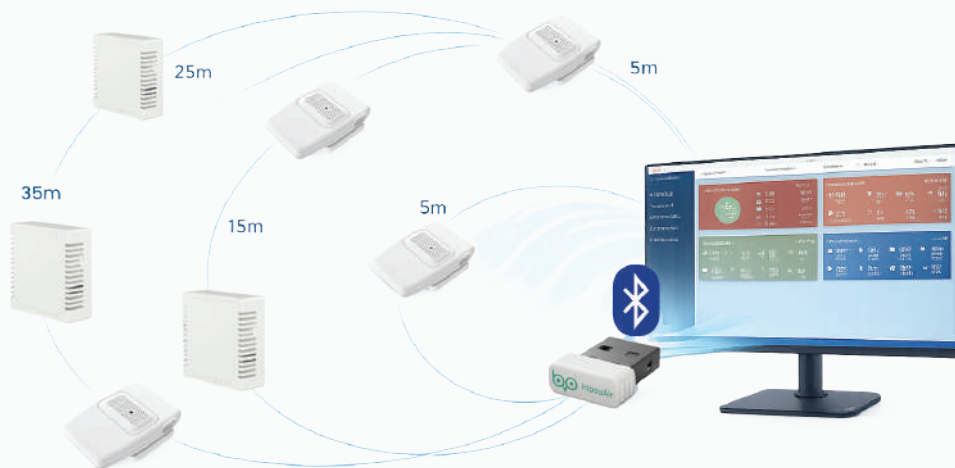# HibouAir

Desktop Air Quality Monitoring Solution

HibouAir Desktop Solution is a simple, plug-and-play indoor air quality monitoring system that gives you real-time visibility into the air you breathe.

Using advanced multi-sensor HibouAir devices and a desktop application in your local computer, it tracks key environmental parameters like CO_2, particulate matter, temperature, humidity, and VOCs.

With easy Bluetooth connectivity and clear data visualization, the Desktop Solution helps homes, offices, schools, and businesses create healthier indoor environments in minutes.

System Architecture

Key Features

- Plug-and-play setup
- Real-time and historical air quality insights
- Support for multiple HibouAir sensors
- Simple desktop-based deployment
- Optional mobile app access

CO_2 PM 1.0 PM2.5 PM10

Connectivity

- Bluetooth Low Energy (BLE) connection to desktop or mobile devices via a USB BLE dongle
- No Wi-Fi, Ethernet, or external gateway required

v1.0

Desktop Application Features

- Live dashboard with real-time air quality readings
- Automatic data refresh at regular intervals
- Interactive charts for trend visualization
- Local storage of historical measurements
- Support for multiple HibouAir sensors
- Clear numeric and graphical presentation of all parameters

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Data Access

- Real-time air quality readings
- Up to 7 days of historical data storage
- Accessible and exportable via HibouAir Desktop App for Windows, macOS, and Linux
- Also accessible via mobile app on iOS and Android simultaneously

Measured Parameters

- Carbon Dioxide (CO_2)
- Particulate Matter (PM)
- Volatile Organic Compounds (VOCs)
- Temperature
- Relative Humidity
- Ambient Pressure
- Light (model-dependent)

Compatible HibouAir BLE Devices

HibouAir DUO

Compact device with both CO2 and PM sensors in one unit. Efficient, cost-effective, and easy to integrate.

Datasheet

HibouAir CO2

▶ Sensor included : CO2, Ambient pressure, Ambient temperature, Relative humidity, Ambient light , VOC

Datasheet

HibouAir PM

▶ Sensor included : PM 1.0, PM 2.5, PM 10, Ambient pressure, Ambient temperature, Relative humidity, light , VOC

Datasheet

HibouAir CO2 Noise

▶ Sensor included : CO2, Ambient pressure, Ambient temperature, Relative humidity, Noise, VOC

Datasheet