

Petit.iot

Petit IAQ provides real-time and accurate measurements for indoor air monitoring in office buildings, schools, shopping malls, and public areas. It offers valuable insight metrics to improve the health environment and energy efficiency.

- **Temperature and Humidity**
- **PM2.5 ,PM10**
- **CO₂**
- **TVOC**
- **HCHO Formaldehyde**

Optional gas sensors

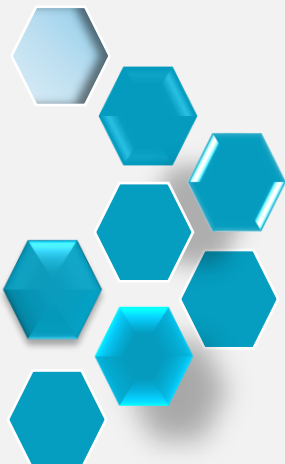
CO, NO₂, O₃, H₂S, NH₃



REAL-TIME STATUS

Data can be accessed online through the web console in the Petit Cassion IoT platform at any time and from anywhere.

- **User authorization control**
- **Visualization Dashboards**
- **CSV raw data output**



Specification of IAQ

Environment

Type	Measurement Range	Resolution	Accuracy
Temperature	-40°C to 125 °C	0.01°C	±1°C
Humidity	0 to 100 RH%	0.04 %	±3%
PM2.5	0 µg/m3 to 999 µg/m3	1µg/m3	±10% or ± 10
PM10	0 µg/m3 to 1000 µg/m3	1µg/m3	±10% or ± 10

Gas

Type	Measurement Range	Resolution	Accuracy
CO2	400 to 5000ppm	1 ppm	±3%+50ppm or ±10%
TVOC	0µg/m3 to 2000µg/m3	1µg/m3	± 25%
HCHO	0µg/m3 to 2000µg/m3	1µg/m3	±10%

General

Communication Protocol (with different model)	IEEE802.11 a/b/g/n (2.4GHz), NB-IoT,4G, LoRa and LoRaWAN
Power	DC 12V/2A , max 12W (AC220V)
Size	Diameter 168 mm, height 50 mm
Weight	238g