

Hex Environment Indoor Air Quality Sensor

Part of the **Hex Environment range** of air quality sensors designed to monitor all aspects of air quality levels in the modern workspace.

Features

- Measures carbon dioxide (CO₂)
- Measures volatile organic compounds (VOCs) and particulate matter (PM)
- Track temperature and humidity in a room.
- Reports room conditions every 5-60 minutes (configurable)
- Easy to install

Sensor

Particle Range of measurement:	0.3~1.0, 1.0~2.5, 2.5~10 Micrometer
Particle Counting Efficiency:	50% @ 0.3µm 98% @ >=0.5 µm
Particle Effective Range (PM2.5 standard):	0~500 µg/m ³
Particle Maximum Range (PM2.5 standard):	≥ 1000 µg/m ³
Particle Resolution:	1 µg/m ³
Particle Maximum Consistency Error (PM2.5 standard):	± 10% @ 100~500 µg/m ³ ±10 µg/m ³ @ 0~100 µg/m ³
Particle Standard Volume:	0.1 Liter
Single Response Time:	<1 second
Total Response Time:	≤ 10 seconds
Temperature:	-10 - 50°C (accuracy ± 0.5°C)
Humidity:	0 - 100% RH (accuracy ±5%RH)
CO ₂ :	0-5000 ppm (accuracy +/- 60 ppm +5% of reading)
VOC Index value:	Between 1-500 (accuracy +/- 15 % of reading for index)

Power

Power over Ethernet (PoE)	Yes. IEEE802.3at
POE Mode	Mode A/B
Voltage	5V
Power Consumption	8W
Cabling	Cat5e/Cat6, 100Mbps



Physical Characteristics

Device Dimension	W146 mm x L130 mm x D45mm
Weight	477g
Operating Temperature	-10°C~+60°C
Storage Temperature	-40°C~+80 °C
Working Humidity Range	0~99%
Usage Environment	Indoor use only
Casing material	UL94-V0 ABS
Case COMPLIANCE	RoHS compliant
Case material recyclable	100% recyclable
Installation	Indoor use. Ceiling or wall mounting

Firmware

Interface	Http; Https
Data Delivery	TCP/IP
Data Backup	Yes
V1, V2	Enhanced set up mode.
	Hex's can be reloaded with latest firmware.

Approvals

Regulatory	CE, GDPR
Environmental	RoHS

Do you need further information or have a question? Please visit hex.industel.co.uk

Disclaimer: The information contained herein is believed to be reliable. Industrial Environment is not responsible for any incorrect or incomplete information on this data sheet and the information or product may be changed without notice.

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Hex Environment Indoor Air Quality Sensor

Monitor air quality (pollutant gases and particulates), temperature, pressure, humidity, light, and noise level.



Total Volatile Organic Compounds



Temperature

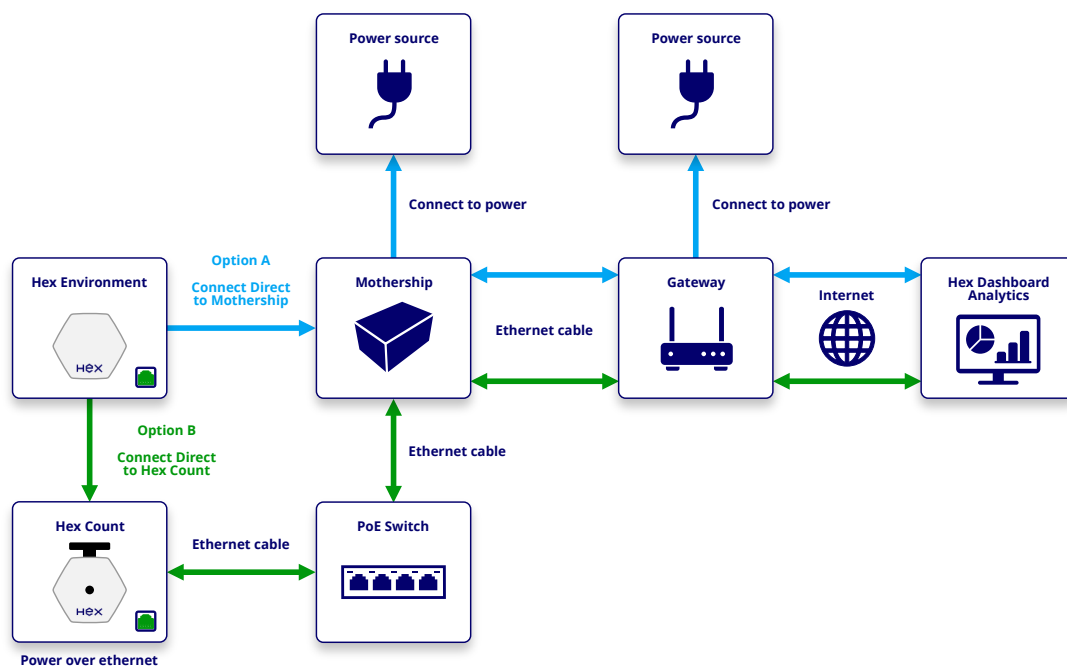


Humidity

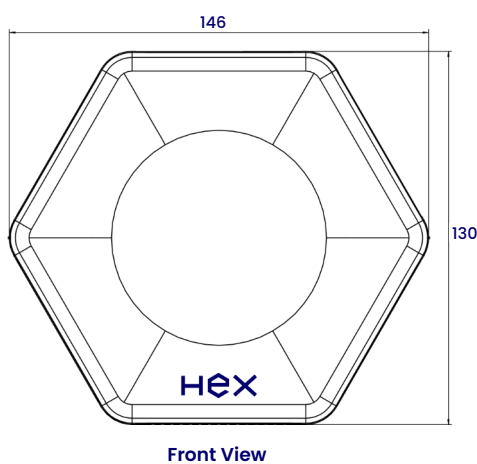


Carbon Dioxide (CO2)

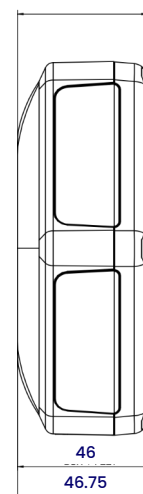
Installation Diagram



Product Dimensions (mm)



Side View



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