



Monitor and optimize indoor air quality

The environment we live in, and the air we breathe significantly impact our well-being, comfort, concentration and productivity.

With the Terabee Air Quality SB5, you can manage the air quality of your environment and monitor five ambient metrics to provide the best possible air for the room or building occupants. Measuring CO₂, Particulate Matter (PM 1, 2.5, 4, 10), Total Volatile Organic Compounds (TVOC) Index, temperature, and relative humidity meters, you have all the data you need to make informed decisions on how best to adjust temperature and ventilation systems.

A Green > Orange > Red LED indicates the air quality, while a full suite of measurements is sent directly via WiFi through HTTP/HTTPS data protocol to the platform of your choice.

Key features

- Carbon dioxide concentration (CO₂)
- Total Particulate Matter (PM 1, 2.5, 4, 10)
- Total Volatile Organic Compounds (TVOC) Index
- Air temperature (°C and °F)
- Relative humidity
- Multifunction visual signal: network status, air quality and operation mode
- Setup via WiFi Access Point
- Communication of air quality measurements through HTTP/HTTPS protocol via WiFi
- Remote firmware upgrade by Terabee

Applications



Office buildings



Public buildings

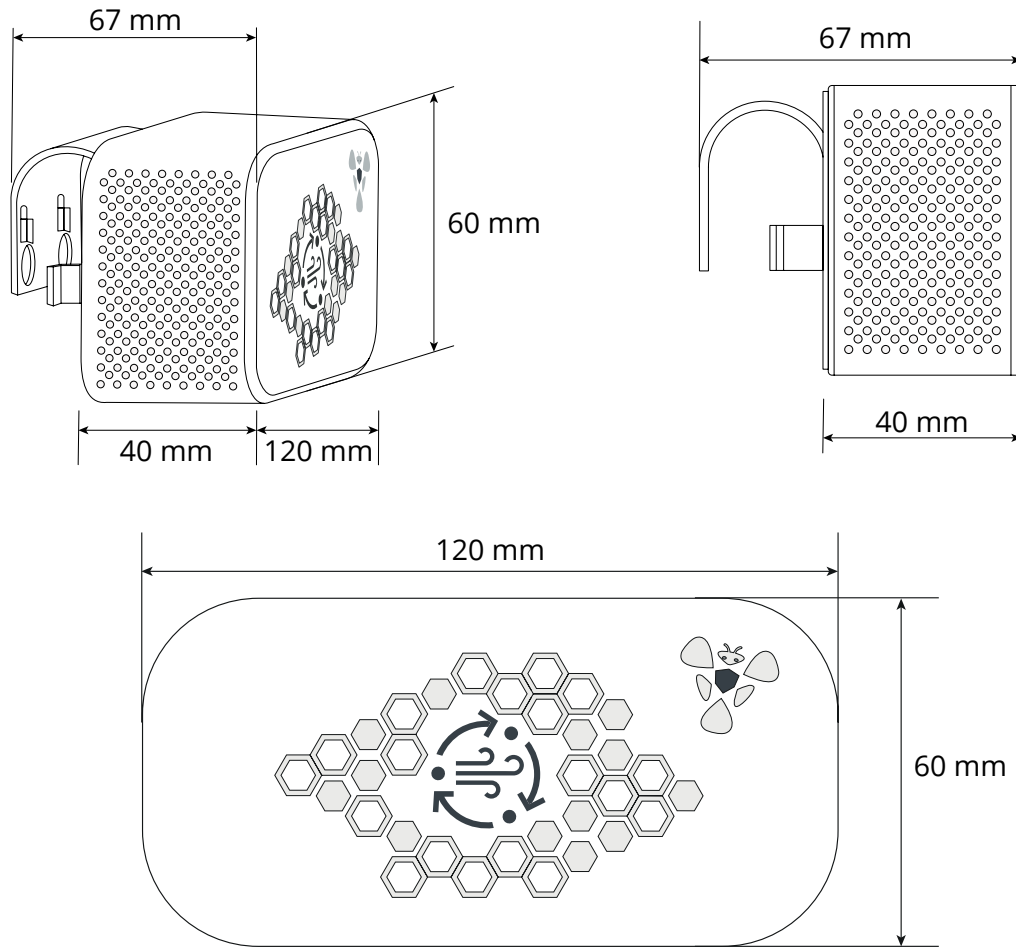


Hospitality facilities

Technical specifications

Product code	TB-AQS-SB5
Connectivity	
Data communication	Wi-Fi 802.11 b/g
Communication protocol	HTTP, HTTPS, mDNS
Local configuration	Wi-Fi Access Point
On board sensors	
Particulate Matter (PM)	Sensirion SPS30 PM 1, 2.5, 4, 10 sensor - ug/m3
Carbon dioxide (CO ₂)	Sensirion SCD41 sensor - ppm
Total Volatile Organic Compounds (TVOC) Index	Sensirion SGP40 sensor - TVOC Index
Air temperature and relative humidity	Sensirion SCD41 sensor - °C and %RH
Sensor configuration	
Data sampling interval output	15 seconds by default, user configurable
PM sensor averaging time per interval	7 sec
CO2 sensor averaging	32 sec
TVOC sensor averaging	15 sec
Identification	Unique Device ID
Electronics	
Power supply	USB-C adapter
Supply voltage V _{IN}	5 V +/- 10%
Visual notification	RGB LED
Mechanics	
Dimensions	120 x 67 x 60 mm
Weight	140 g
Housing material	Enclosure in ABS, wall-mount bracket in aluminium
Ambient temperature operation	0°C to 40°C
Installation	Wall mount, option for table mount
Conformity	
Reference standard (certifications)	CE, UKCA, FCC, RoHS


Dimensions



Package contents

- Quick Start Guide
- 1 x Terabee Air Quality SB5
- 1 AC/DC USB-C power adapter with changeable plugs: US, UK and EU
- 1 x 2-meter USB-C cable
- Concrete and plaster wall screws and table mount accessories

Any questions? Contact us today!

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