

# Indoor Climate Monitoring

**wanwave's** indoor climate monitoring system offers a comprehensive solution for businesses and organizations to maintain optimal indoor environments, promote occupant comfort, and ensure health and productivity. By deploying the system, stakeholders can monitor key parameters such as temperature, humidity, and air quality in real-time, enabling proactive management and optimization of indoor environments.

Key aspects of using **wanwave's** indoor climate monitoring system include:

- 1. Real-Time Monitoring:** **wanwave's** indoor climate monitoring system continuously monitors key parameters such as temperature, humidity, and air quality, providing stakeholders with real-time data on indoor environmental conditions. This real-time monitoring capability enables stakeholders to track indoor climate variations, identify potential issues or trends, and take proactive measures to maintain optimal indoor environments.
- 2. Energy Efficiency:** Real-time monitoring of indoor climate conditions enables stakeholders to optimize energy usage and improve the efficiency of heating, ventilation, and air conditioning systems. By adjusting temperature setpoints, optimizing ventilation rates, and implementing energy-saving measures, stakeholders can reduce energy consumption, lower utility costs, and minimize environmental impact.
- 3. Compliance and Regulations:** **wanwave's** indoor climate monitoring system helps stakeholders comply with indoor air quality standards, regulations, and certification requirements. By monitoring indoor air quality parameters and maintaining compliance with relevant guidelines, stakeholders can ensure

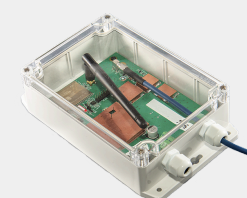
## Hardware Components Used in this Solution



AIR QUALITY SENSOR



TEMPERATURE AND HUMIDITY SENSOR



WNG-20 NETWORK GATEWAY

### About the wanwave Network

wanwave offers the first true end-to-end Massive IoT ecosystem comprising a highly efficient & secure communication protocol, and a wide range of end-devices to serve any application or use-case:

Learn more at <https://wanwave.com>.

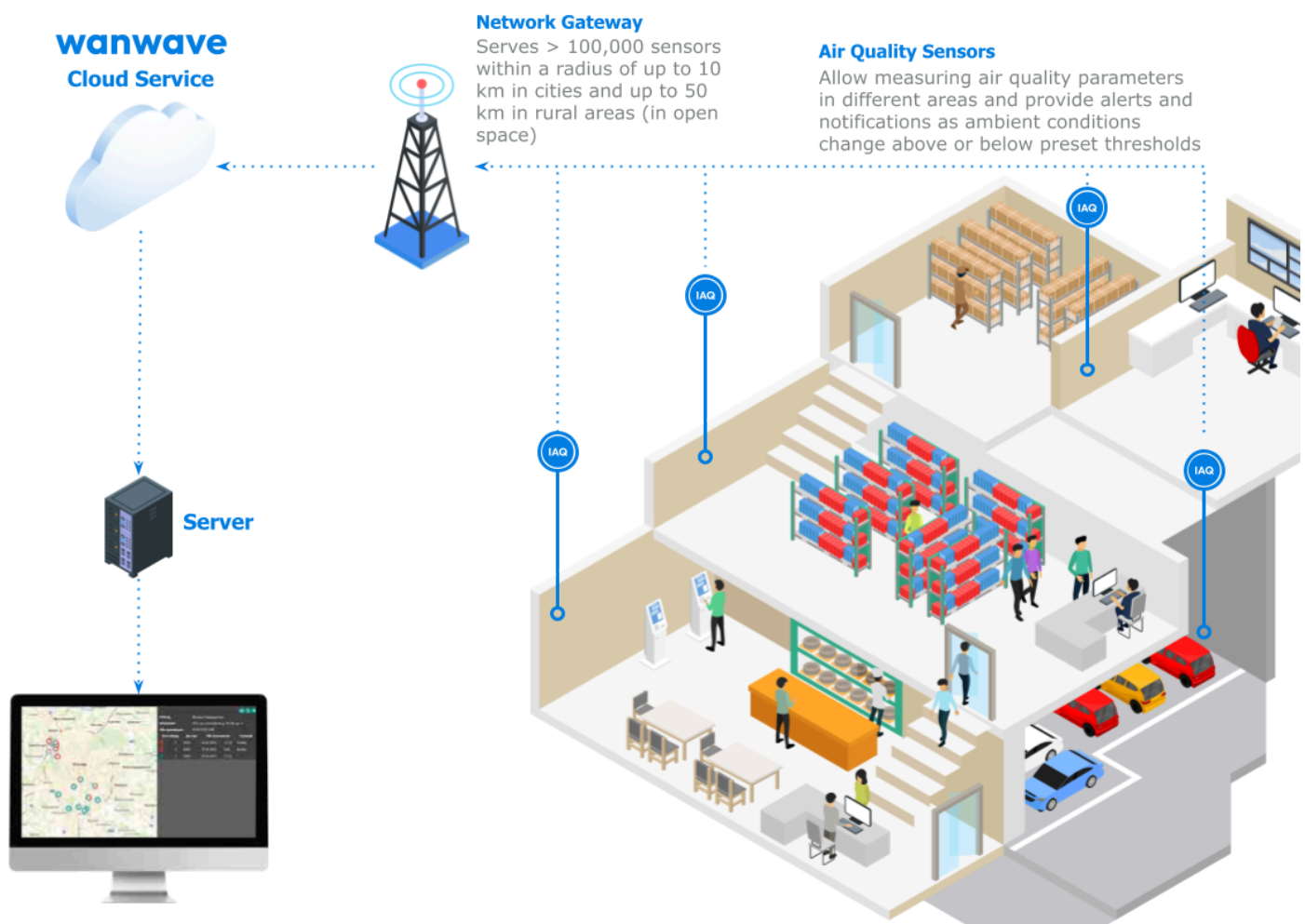
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that indoor environments meet regulatory requirements and provide safe and healthy conditions for occupants.

4. **Seamless Integration:** wanwave offers seamless integration with building automation systems, facility management software, and smart building platforms. This allows stakeholders to centralize data collection, automate control processes, and leverage advanced analytics and decision support tools to optimize indoor environments.

## Mode of Operation

The sensor measures VOC (volatile organic compounds) and complies with DIN ISO 16000-29-2015 Indoor air - Part 29: Test methods for VOC detectors (ISO 16000-29-2015:2014).



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