



Monitoring Pollution for a Greener Tomorrow



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About Fogwing Eco



The Fogwing eco is an Air pollution monitoring device designed and built to provide a comprehensive and reliable assessment of indoor and outdoor air pollution, with air components such as Carbon dioxide (CO₂), Volatile organic compound (TVOC), Formaldehyde (CH₂O), Particulate matter (PM_{2.5}, PM₁₀). This IoT-based solution is designed for people who want to monitor the air pollution parameters in real-time in their living or working environment of choice for better health conditions. An organization that is seriously taking employee health and productivity is also getting benefits from adopting this solution.

This comprehensive environmental monitoring system allows you to keep tabs on the factors which affect the environmental condition, and the monitoring results will be reviewed, analyzed statically, and stored for future reference. Based on these factors, the harmful substances happening frequently are tracked and the factors which will affect these changes can be analyzed via our cloud platform remotely.

Fogwing Eco Application

Features

Plug-in & Monitor



Get your data on-the-go with our simple plug and play setup and access data remotely from anywhere, anytime.

Real-time Data



Every environmental variable is presented in real-time with Fogwing Eco's data visualization

Rules and Alerts



Users can easily set rules and trigger alerts when the temperature, humidity and CO₂ varies.

Query and Report Export



The data explorer helps users explore relevant data and export meaningful metrics in one click.

Easy to Integrate



Seamlessly integrate with a wide range of third-party platforms with open APIs.

Data Accesibility



Access the real-time data from any device, such as laptops, tablets, mobile phones, and more.

Compact in Size



Fogwing eco kit is designed to be compact, allowing for easy installation in any location.

Customize Parameters

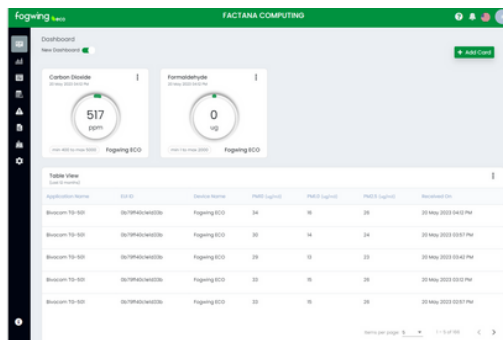


AQM and APM Kits can be customized to add additional parameters which may be needed for specific industry.

Fogwing Eco Modules

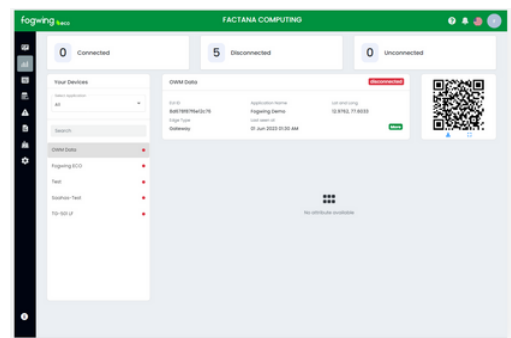
Dashboard

Dashboard provides a graphical representation of the current air pollution levels. It includes various charts and graphs that depict real-time data from the devices installed in the field.



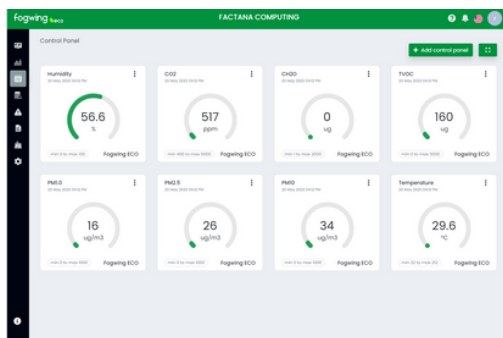
Pollution Data Analysis

This module allows users to view detailed information about the devices installed in the field. It includes device status, battery levels, signal strength, and other important metrics.



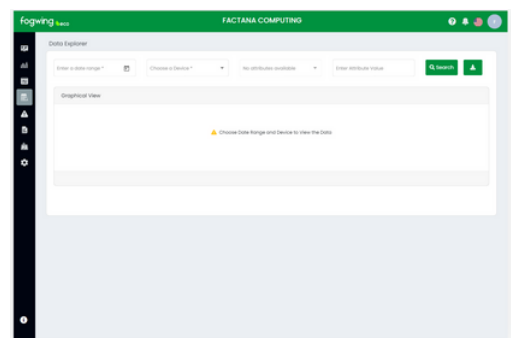
Control Panel

Control panel allows users to add cards which users want to monitor and control. It offers a user-friendly dashboard that allows users to access various parameters and monitor realtime data effectively.



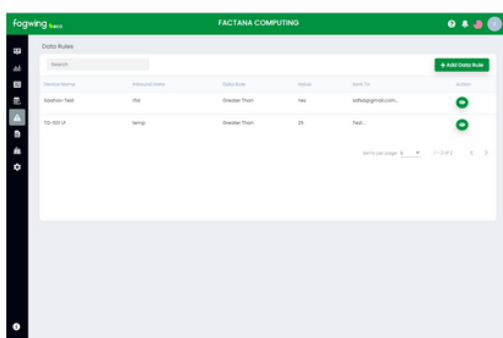
Data Explorer

Data explorer allows users to explore the historical data collected by the devices. It includes various filters and search options to help users quickly find the information they need.



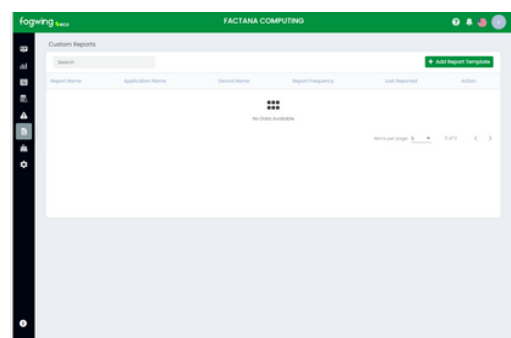
Data Rules & Alerts

The Alerts Module sends SMS and email notifications alerts to users based on certain predetermined rule based conditions.



Reports

Reports module allows users to generate reports based on the data collected by the devices, such as daily, weekly, and monthly reports.



Technical Specification



Cellular

Frequency - Band Quad Band (850/900/1800/1900MHz). SIM Card - Nano
SIM card (Included inside the box)



Wi-Fi

Protocol - 802.11 b/g/n Frequency Range - 2.4GHz to 2.5GHz (2400M ~
2483.5M) ISM



GPS

Accuracy - 2.5m GPS horizontal accuracy
Battery - CR1220 3V Lithium Cell (Included inside the box)



Power Supply and Consumption

Connector - 2.1mm female
Standard Input - DC 12V/1.0A
Input Range - DC 5V to 30V 1.0A



Physical Characteristics

Housing Material - ABS Plastic
Working Temperature - (-35 °C to 85 °C)
Dimensions - 133.35 x 95.25 x 50.04 mm
Mounting Type - Wall or Pole Mounting



Sensor Range

CO2 - 400 to 5000 ppm
CH2O - 0 to 2000 ug/m3
TVOC - 0 to 50000 ug/m3
PM1.0 - 0 to 1000ug/m3
PM2.5 - 0 to 1000ug/m3
PM10 - 0 to 1000ug/m3
Temperature - (-40 to 125 °C)
Humidity - 0 to 100 %RH

Why choose

Fogwing Eco?

One-Time Cost

Fogwing Eco provides a cost-effective solution that requires a single upfront payment. There are no recurring expenses or subscription fees, making it a financially attractive option. This ensures that companies can effectively monitor air pollution without the burden of ongoing financial commitments.



Replacement warranty

Fogwing Eco provides customers with added assurance through a 1-year replacement warranty. In the unlikely event of any hardware or software issues within the warranty period, Fogwing will repair or replace the components free of charge.

Pre-calibrated

Fogwing eco's pre-calibration process involves rigorous testing and calibration of the sensors used in the kit to ensure optimal performance and accuracy in real-world conditions. This means that users can immediately start monitoring air quality without having to go through the time-consuming and complex calibration process themselves.



Data security

Data security is a top priority for Fogwing Eco. The software employs robust security measures to protect the valuable data collected during industrial air pollution monitoring. By implementing industry-standard encryption protocols, access controls, and secure data storage practices.

We Are The Next-Gen Industrial Software Provider

ABOUT FACTANA.

Factana, your trusted Industry 4.0 Solution Provider, catering to customers worldwide. We take pride in offering a range of powerful products designed specifically for small and medium enterprises: Fogwing Industrial IoT, Analytics Studio, Asset+ CMMS, and SFactrix.ai MES are well known.

Our mission at Factana is to make the adoption of the fourth industrial revolution both accessible and affordable for businesses of all sizes. With our cutting-edge solutions, we empower organizations to embrace transformative technologies and unlock their true potential.

Factana is proud to be an ISO 27001 and SOC2 certified practitioner.



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