



# SenseiAQ v2.0

## Cloud-Enablement Software for real-time Air Quality Monitoring

### Product Specification

### Product Summary

SenseiAQ software for Piera Systems collects live-data from USB-connected Piera sensors for real-time logging and analysis of Particulate Matter (PM) as well as alerting on Air Quality Index (AQI) fluctuations over time. SenseiAQ also Cloud-Enables a locally-connected sensor providing an IoT Gateway functionality on a Client PC, Mac or Android device ensuring the same data can be stored, viewed and analyzed remotely through the Piera Air Quality Management Service (AQMS)

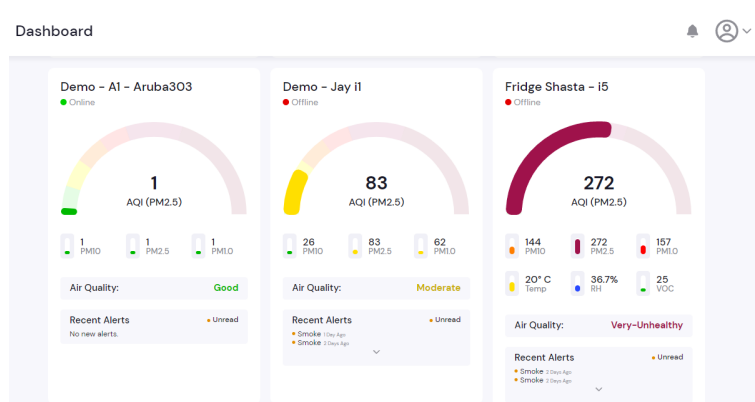


Figure 1 - SenseiAQ Dashboard View

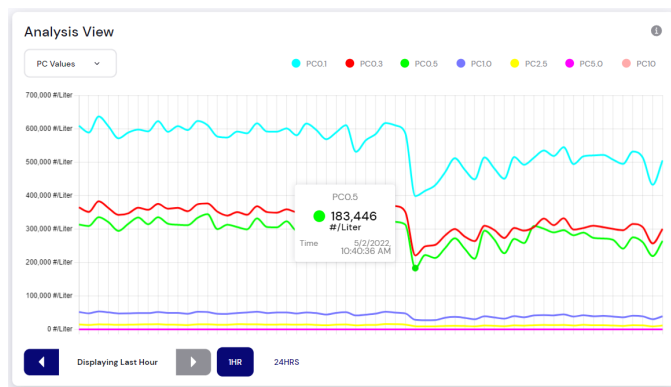


Figure 2 - SenseiAQ Analysis View

SenseiAQ Software displays at-a-glance data on a dashboard including Air-Quality-Index (AQI) Scores, color-coded based on EPA Limits and alerts for vape/smoke and particle count thresholds and distributions. The software is provided with all Piera sensors while the Cloud-reporting functionality (AQMS) is included for all customers under a yearly subscription / maintenance agreement with Piera Systems.

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We are ready to help you determine which of our solutions will best meet your needs.



## Features

- Displays Real-Time Particulate Mass concentrations PM0.1 – PM10
- Auto Calculates and displays latest AQI scores every 60 seconds.
- Dashboard displays PM1.0, PM2.5 and PM10.0 values in ug/m3 and corresponding AQI for each
- Color-Coded AQI Values correspond to EPA Guidelines for PM concentrations
- Fast data acquisition and sampling (1 sec.)
- Supports Windows, MacOS Platforms
- IoT-Enables USB-connected Piera sensors
- Supports Export to CSV for local data logging, backup or analysis in MSFT Excel

## Applications

- Enterprise monitoring of indoor air quality, AQI . Ideal for Clean Rooms, Hospitals, Office-Spaces, College Campuses, Hotel/Shared living and Industrial Environments
- Smoke/vape detection with real-time alerts and notifications
- Building Management Systems, Smart-City Infrastructures

### 1. SenseiAQ Software Specifications

Software Specifications	Rating
OS Support	Windows (7, 10 Pro / Home Edition) MacOS (High Sierra and newer)
Distribution Package	Electron Installer / Cross-Platform React Package, signed by Piera Systems
Languages	English, Spanish, French, Italian, German
USB Interfaces support	Type A - USB 2.0 Max Length 10m / 32'
Install Package Size	350Mb
Piera Hardware Supported	Piera-7100™ Series Piera-5100™ Series Piera-3100™ Series Canaree A-Series Canaree I-Series Canaree R-Series
Cloud Reporting Support	Native support for Microsoft Azure IoT Hub* Software acts as IoT Gateway Device
API Support	Direct Serial API (CSV format) Azure IoT via REST API in JSON format

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\*1 Year subscription included with purchase of device. Extended subscriptions available with maintenance contract.

## 2. Ordering Information

Please visit [www.pierasystems.com](http://www.pierasystems.com) or email to [info@pierasystems.com](mailto:info@pierasystems.com).

SenseiAQ Software included with all Piera Systems sensors at no additional cost including 1 year of Cloud-Reporting services. Extended services available with purchase of maintenance contract

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