

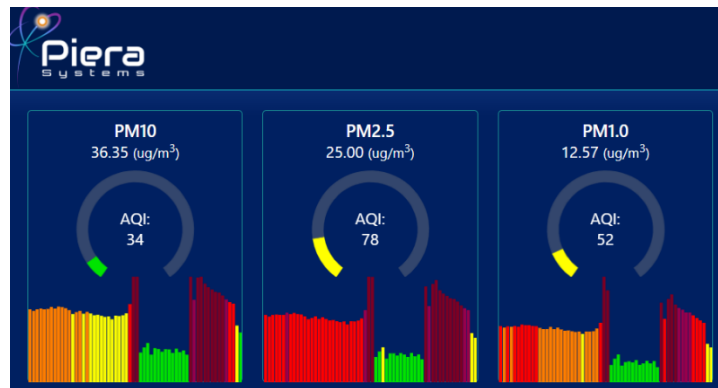


## SenseiAQ

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

#### Product Summary

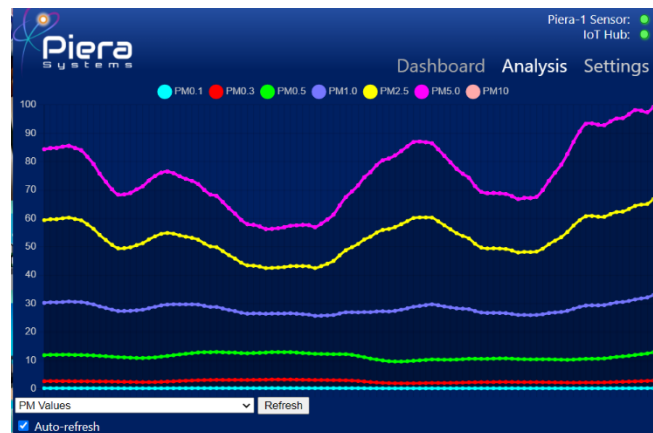
SenseiAQ software for Piera Systems collects live-data from USB-connected Piera sensors for real-time logging and analysis of Particulate Matter (PM) as well as alerting on Air Quality Index (AQI) fluctuations over time. SenseiAQ also Cloud-Enables a locally-connected sensor providing an IoT Gateway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



SenseiAQ Software displays the 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 is included for all customers under a yearly subscription / maintenance agreement.

#### 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 PM Size.
- Color-Coded AQI Values correspond to EPA Guidelines for PM concentrations



Piera Systems Inc. reserves the right to make corrections, modifications enhancements, improvements and other changes to its products and services at any time and to discontinue any product or service without notice. Please contact Piera Systems anytime to obtain the latest relevant information.

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



- Fast data acquisition and sampling (1 sec.)
- Supports Windows, MacOS, Android OS
- 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) Android (TBD)
Distribution Package	Electron Installer / Cross-Platform React Package, signed by Piera Systems
Languages	Node.js
USB Interfaces support	Type A - USB 2.0 Max Length 10m / 32'
Install Package Size	350Mb? TBD
Piera Hardware Supported	Piera-1™ Piera-7100™ Series Canaree MVP™ Canaree PRO™
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
Language Support	English, Spanish, French

\*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).

Piera Systems Inc. reserves the right to make corrections, modifications enhancements, improvements and other changes to its products and services at any time and to discontinue any product or service without notice. Please contact Piera Systems anytime to obtain the latest relevant information.

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



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

Copyright© 2020, by PIERA SYSTEMS. All rights reserved

SenseiPM® is a product trademark of PIERA SYSTEMS.

SenseiAQ® is a product trademark of PIERA SYSTEMS.

Azure and Azure IoT Hub are trademarks of Microsoft Corporation.

---

Piera Systems Inc. reserves the right to make corrections, modifications enhancements, improvements and other changes to its products and services at any time and to discontinue any product or service without notice. Please contact Piera Systems anytime to obtain the latest relevant information.

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