

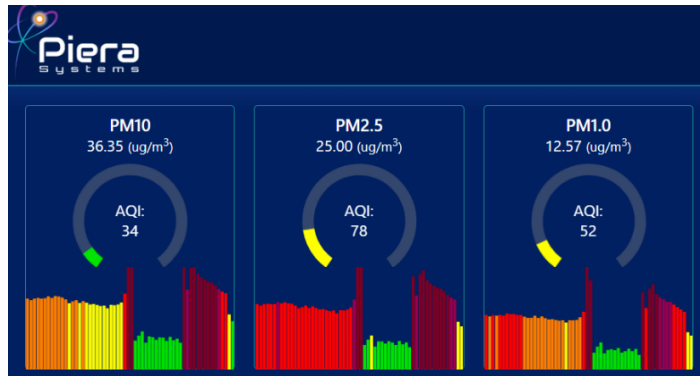


SenseiAQ

Software for Real-time Air Quality Monitoring Product Specification

Product Summary

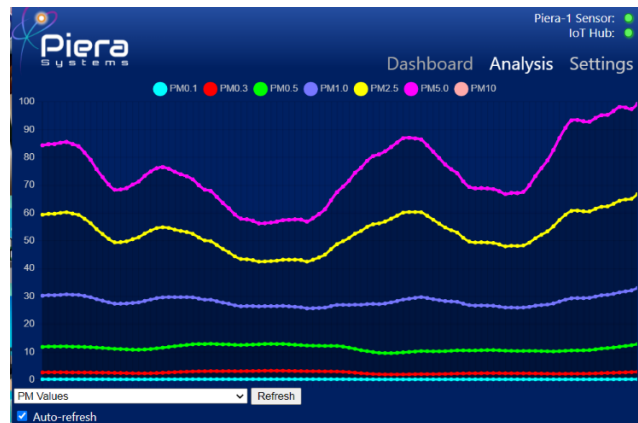
SenseiAQ software for Piera Systems collects live-data from USB-connected Piera sensors for real-time logging and analysis of Particulate Matter (PM) as well as alerting on Air Quality Index (AQI) fluctuations over time. SenseiAQ installs locally on a Client PC, Mac or Android device and also Cloud-Enables a locally-connected sensor providing an IoT Gateway functionality ensuring the same data can be stored, viewed and analyzed remotely through the Piera Systems Cloud Solution based on Microsoft 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 Systems IPS devices and Cloud-Enables IPS devices equipped with networking (Series 5, 7, X) and all Canāree products.

Features

- Displays real-time Particulate Counts (PC0.1 – PC10)
- Auto calculates and displays latest AQI scores every 60 seconds
- Dashboard displays Particulate Matter concentration in $\mu\text{g}/\text{m}^3$ and corresponding AQI for each PM bin (PM1.0, PM2.5, PM10)
- Color-coded AQI values correspond to the EPA guidelines for PM concentrations
- Fast data acquisition and sampling (1 second)
- For Windows, MacOS, and Android OS
- Supports IoT-enabled USB connected Piera IPS sensors and Canāree modules
- Supports export to CSV for local data logging, backup or analysis in MS Excel.



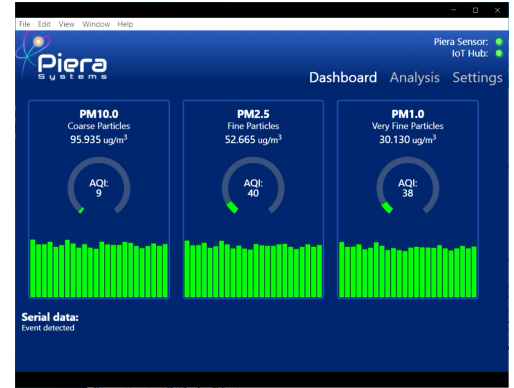
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- Provides various view options for data analysis
- Monitoring and displaying Alerts from IPS Sensor for vape and tobacco smoke detection

Applications

- Indoor Air quality monitoring (Cleanrooms, hospitals, office, college campuses, industrial environments, hotel and shared living spaces)
- Smoke/vape detection with real-time alerts and notifications
- Integrate with building management systems, smart spaces infrastructure



1. SenseiAQ Software Specifications

Specifications	Rating
Supported OS	Windows (7, 10 Home/Pro Edition) MacOS (Catalina, 10.15) Android (TBD)
Distribution package	Electron Installer / Cross-platform React Package, signed by Piera Systems
Languages	Javascript (Node.js)
USB interfaces	Type-A – USB 2.0 Max length 10m (32ft)
Install package	350mb ¹
Supported Piera hardware	Piera-1 ² IPS 5 and 7 series models Canāree products
Cloud reporting support	Native support for Microsoft Azure IoT Hub ³ Software acts as IoT gateway device
Supported languages	English, Spanish, French ⁴

Table 1. SenseiAQ Software specifications

1. May change with future updates.
2. Piera-1 sensor is no longer available for purchase.
3. 1 year subscription is included with purchase of any support device. Extended subscription may be available with maintenance contract.
4. Currently online UI only.

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2. Ordering information

Please visit www.pierasystems.com or email to info@pierasystems.com.

SenseiAQ software is included with all Piera Systems Evaluation/Development kits. It supports Cloud-reporting functionality on selected IPS and Canãree products under a yearly subscription/maintenance agreement. Additional services, customization and Licensing are available.

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