IoT Dashboard for Data Streaming and Visualization

Integrated support for Keithley DAQ6510 and DMM6500 from Initial State

Stream data from your device and services to cloud-based data visualizations. Designed for monitoring, test, and data streaming applications, Initial State provides a scalable IoT streaming backbone with world-class anywhere-accessible data visualizations. Create real-time IoT dashboards using streaming data from any connected IoT device, PC, or via codeless integrations with instrumentation like the Keithley Datalogger/DAQ 6510.

Key Features

- Monitor and log data streams directly from the instrument, all in real-time and from anywhere – with no PC-in-the-middle required.

- Email and text alert using triggers to based on measurement thresholds and other mathematical rules.

- Access, visualize, archive, share, transform, and analyze current and historical data from anywhere – no install required.

- Create dashboards for standardization, repeatability, and readability.

- Overlay, time-dilate, and compare data sets across test runs.

Streaming + Logging

This software-as-a-service platform lets you stream and log data to a central cloud repository. In addition to logging your measurements to a USB drive, scans can be configured to stream directly to Initial State where data is securely transferred and stored. It can be graphed using various visualization tools, shared securely with team members, organized for long-term safe keeping and recall, and monitored in real-time or after the measurement is complete.

The browser-based visualization engine also allows you to compare measurements and create derived signals and summaries from mathematical expressions operating on the incoming data – all in real-time.

Triggers & Email/Text Alerts

Configured using simple mathematical and logical expressions, Initial state will monitor the data as it is acquired. If a specified trigger occurs, you can choose to recieve text (SMS) alerts and/or email notifications. For example, you can get a text alert when your measurement crosses a critical threshold.

Create Dashboards

When you have sets of common measurements, create a unified dashboard to organize each new test execution. You can configure the dashboard to display data using graphs, gauges, text, scalars, maps, and more. These dashboards make it easy to standardize visualization and quickly compare one test run against another.

Automation & Scripting Compatible

Automate streaming, logging, and montoring to create custom test sequences. Send data to Initial State through the scripting language and combine with data from other instruments or sequences.

For more information visit: www.initialstate.com/keithley

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