

Avimesa Gadget 3.0 released for Compulab and is available for free

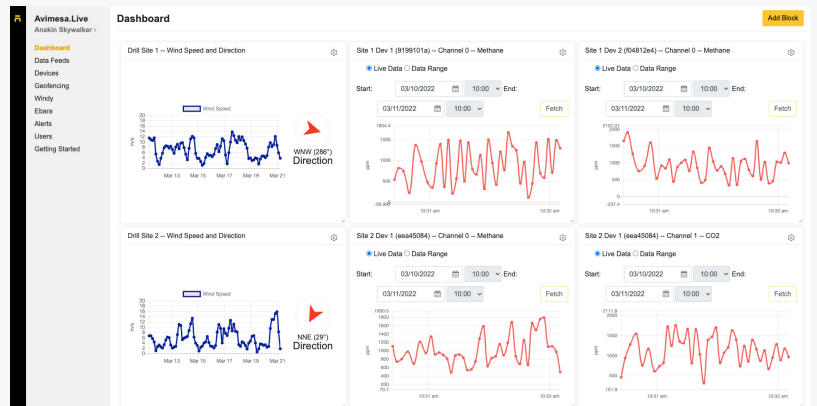
Configurable "Gadget" for CompuLab IoT Gateways makes Industrial IoT sensor integration with an AWS-based cloud easy and fast

SAN DIEGO, CA, UNITED STATES, May 24, 2023 /EINPresswire.com/ --

[Avimesa Corporation](#), a leading provider of Industrial IoT solutions, today announced the release of Avimesa Gadget 3.0 for Compulab. Avimesa Gadget is one of the two primary software components in Avimesa's IoT solution beside Avimesa's AWS-based device management cloud, Avimesa.Live. Avimesa Gadget 3.0 for Compulab is the second major upgrade to the software initially targeting the Compulab IOT-GATE-IMX8 IoT Gateway. Major features affected in this release include Bluetooth Low Energy (BLE) security enhancements, two OTA configurable 4-20 sensor channels, and RS232 enhancements.



Compulab IOT Gateway



Avimesa.Live Dashboard

Example industry applications include Chemical Processing, Agriculture, Fluid Runoff & Drainage, Leaks, Semiconductor Manufacturing, Metal and Alloy Manufacturing, Equipment Manufacturing, Automotive, Oil & Gas, Solar Power Farms, and Food Processing. Avimesa Gadget can also be used to create sensor networks that cover 100s of acres with a single LTE or other network connection. Each Avimesa Gadget installed also knows the approximate distance of any BLE sensors, so sensors on moving equipment or people can be tracked by distance from a particular IoT Gateway location.

Avimesa Gadget is a configurable "gadget" that runs on an IoT Gateway, and is also re-entrant for creating firmware versions for hardware that has no operating system (special licensing is required). Avimesa Gadget provides a configurable interface that can plug into any sensor connected to the IoT Gateway in the field. In addition to wired sensors connected to the IoT Gateway, Avimesa Gadget has a complete Bluetooth Low Energy (BLE) stack that can be used to incorporate the wide variety of off-the-shelf BLE sensors available on the market. Avimesa Gadget also has a complete 4-20mA loop and RS232/RS485 interface that can be used to connect to industrial sensors and equipment.

Avimesa Gadget can be used "off-the-shelf" to immediately connect with standard supported sensor and equipment configurations. For a typical custom configuration, a developer can use a Python or other script to hook custom sensors and equipment to the Avimesa Gadget and have it immediately connect to the Avimesa.Live cloud.

In addition to using Avimesa Gadget for connecting sensors and equipment in real time, it can also be used for data logging applications that gather data from sensors and equipment and store it locally on the IoT Gateway for later upload to the cloud on a schedule or opportunity basis.

A wide variety of interfaces can be combined using Avimesa Gadget. A short list of supported interfaces on the CompuLab includes:

- * Bluetooth Low Energy (BLE 5.3)
- * 4-20mA Loop Industrial Sensors
- * RS232/RS485 connected equipment
- * Modbus RTU and other industrial protocols
- * I2C and SPI connected sensors and equipment
- * Other digital GPIO based sensors and equipment
- * Internet based UDP and TCP/IP protocols
- * USB connected sensors and equipment
- * WiFi and Ethernet connected equipment
- * LTE and other cellular modems
- * CAN Bus / CAN-FD for automotive related

All versions of Avimesa products are brandable so that OEM's can provide a complete solution that matches their brand look and feel and specialized functionality.

Avimesa Gadget 3.0 will also be made available for Raspberry Pi configurations.

Interested parties should email sales@avimesa.com with the word "Avimesa Gadget" or "Gadget" in the subject line for more information.

For media inquiries, please contact:
Paul Peterson, VP Marketing

press@avimesa.com
Avimesa Corporation

About Avimesa Corporation. Starting operation in early 2017, Avimesa is an Industrial Internet of Things company with a device cloud, IoT hardware, a web application for data visualization, and developer APIs that can be used to monitor virtually anything. All trademarks are the property of their owners. The contents of this press release may be used in whole or part for reporting in the news, blogs, and social networking.

Paul Peterson
Avimesa Corporation
[email us here](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/635486384>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2023 Newsmatics Inc. All Right Reserved.