Gumstix® Launches Smart Building IoT Sensor

RoomSense combines the ATSAMW25 and passive Infrared into an easy path to production for Arduino Makers.

REDWOOD CITY, CA. Dec. 13, 2017— Gumstix®, Inc., the leader in design-to-order embedded hardware systems, announced the release of the Gumstix RoomSense passive-IR board. Designed for the IoT market, this occupancy and air sensor microcontroller board uses a passive IR motion detector, and temperature, humidity and barometric sensors to monitor a room's conditions and occupancy.

The Microchip ATSAMW25, the same microcontroller-plus-wifi found in the Arduino MKR1000, provides a SAMD21 ARM Cortex-M0+ MCU and WiFi connectivity. It integrates easily with cloud IoT platforms such as MyDevices Cayenne and can be plugged in to any powered USB port to deliver occupancy, temperature, humidity and barometric pressure to home automation systems. Pre-flashed with the Arduino bootloader, the RoomSense ($86.00) is easily deployable by developers at all levels seeking a rapid path from design to market.

Features

- ARM Cortex-M0+ MCU at 48 MHz
- 802.11b/g/n WiFi
- Barometer, humidity and temperature sensors
- Passive IR motion detector
- Powered over USB

“Gumstix has been used in smart buildings for over a decade. This new board demonstrates one important industrial product including sensors on an IoT edge device.” says Gordon Kruberg, Gumstix CEO, “And with the Geppetto design tool, anyone can take our source design, customize it with simple drag and drop modules and quickly order the board online. The board arrives pretested and production-ready in three weeks.”

The RoomSense board design is freely available and has been shared in the Geppetto Design Library to allow designers to copy and customize specifications online to suit specific needs. Changing processors or adding GPS and sensors can be done in minutes. Each saved

Geppetto design is supported with free documentation and board software package support with the recently added AutoDoc and AutoBSP Geppetto design tools.

Geppetto® D2O, is a free online design and production tool for creating custom expansion boards. A hardware design can be completed in hours, and ready to ship in fifteen business days. As they design, users can compare alternatives for features and costs, create multiple projects, and go straight from a design to an order in one session. Gumstix engineers verify all Geppetto-manufactured devices before shipping. Gumstix products and quantity discounts are available at the Gumstix online store.

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About Gumstix, Inc.
As a global leader in design-to-order hardware and manufacturing solutions. Gumstix® gives its customers the power to solve their electronic design challenges with Geppetto® D2O -- the onlin e design-to-order system -- and a broad portfolio of small computers and embedded boards. In addition to engineers and industrial designers, Gumstix® helps students, educators, and makers unlock their creative ideas to bring them to market. Since pioneering the concept of an extremely small computer-on-module (COM) with a full implementation of Linux in 2003, the company has grown to support over 20,000 diverse customers. Gumstix systems have launched some of the world's coolest products - from phones to drones - on commercial, university, and hobbyist workbenches in over 45 countries. For more information, visit www.gumstix.com.