ROOMSENSE OCCUPANCY AND AIR SENSOR

Use sensor data to control your home with the RoomSense passive-IR board. Plug it in to any powered USB port and deliver occupancy, temperature, humidity and barometric pressure to your home automation system.

This tiny USB dongle uses a passive IR motion detector, and temperature, humidity and barometric sensors to monitor a room’s conditions and occupancy. The Microchip ATSAMW25 provides a SAMD21 Cortex-M0+ MCU and WiFi connectivity. It integrates easily with cloud IoT platforms such as MyDevices Cayenne.

ARDUINO-READY

Pre-flashed with the Arduino bootloader, the RoomSense is easily deployable as a home automation device by developers of all skill levels.

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

DESIGNED BY GUMSTIX IN GEPPETTO

What’s included
1 × Occupancy and Air Sensor

Key component
1 × Digital Temperature Sensor
1 × Passive Infrared (PIR) Detector Controller
1 × Microchip ATSAMW25 SmartConnect
1 × MS5611 Barometric Sensor
1 × PIR Fresnel Lens

Product links
- Customize in Geppetto
- Technical Specifications
- Quickstart Guide
- Example Sketch
- Geppetto® Workspace