

RoomSense Product datasheet

PKG900000000569

USD86.00

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 GEPETTO

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](#)



Product Features

Robotics	
Barometer	Barometric pressure sensor
Memory	
Flash Memory (NAND)	256 KB
RAM	32 KB SRAM
General	
Infrared Sensor	Passive IR motion detector
Misc	
Power	5V from USB standard A plug
Processor	
Processor	ARM Cortex-M0+
Temperature	Temperature and Humidity Sensor
Communications	
WiFi	802.11b/g/n

