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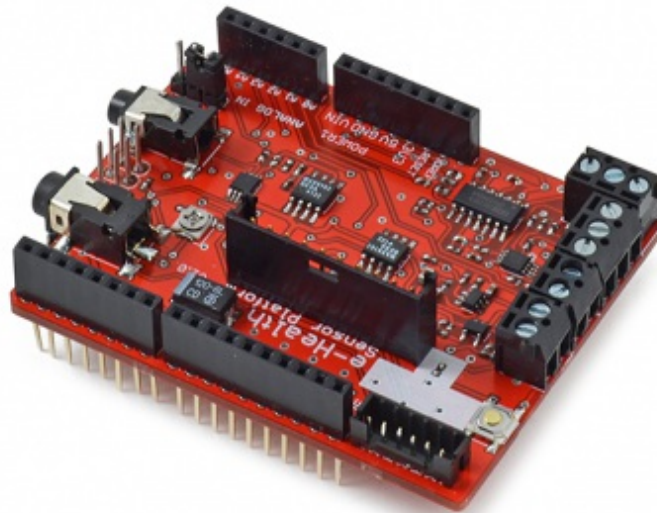
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# cooking hacks

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## e-Health Sensor Shield V2.0 for Arduino, Raspberry Pi and Intel Galileo [Biometric / Medical Applications]

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## Description

The **e-Health Sensor Shield** allows Arduino and Raspberry Pi users to perform biometric and medical applications where body monitoring is needed by using 9 different

sensors. This information can be used to monitor in real time the state of a patient or to get sensitive data in order to be subsequently analysed for medical diagnosis. Biometric information gathered can be wirelessly sent using any of the 6 connectivity options available: Wi-Fi, 3G, GPRS, Bluetooth, 802.15.4 and ZigBee depending on the application.

You can find our [e-Health Sensor Platform Complete Kit](#) to get a complete First Aid Kit for Makers or get the sensors separately.

- [Pulse and oxygen in blood sensor \(SPO2\)](#)
- [Airflow sensor \(breathing\)](#)
- [Body temperature sensor](#)
- [Electrocardiogram sensor \(ECG\)](#)
- [Glucometer sensor](#)
- [Galvanic skin response sensor \(GSR - sweating\)](#)
- [Blood pressure sensor \(sphygmomanometer\) V2.0 New Sensor](#)
- [Patient position sensor \(Accelerometer\)](#)
- [Electromyography Sensor \(EMG\) New Sensor](#)

**IMPORTANT:** The e-Health Sensor Platform has been designed by Cooking Hacks in order to help researchers, developers and artists to measure biometric sensor data for experimentation, fun and test purposes. However, as the platform does not have medical certifications it can not be used to monitor critical patients who need accurate medical monitoring or those whose conditions must be accurately measured for an ulterior professional diagnosis.

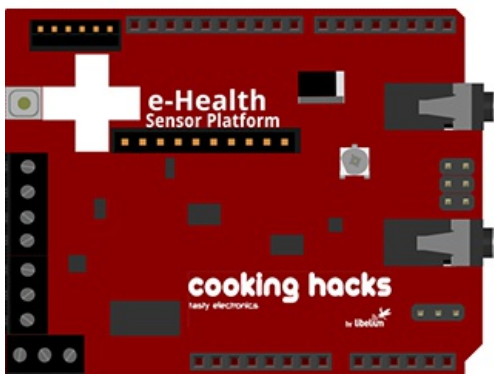
This product is compatible with [Arduino, Raspberry Pi \(Model B+\)](#), [Raspberry Pi 2 \(Model B\)](#) and [Intel Galileo boards](#). See below the links to each of the tutorials. If you are looking for using this shield with your **Raspberry Pi**, you must use our [Raspberry Pi to Arduino Shields Connection Bridge](#).

**Note for Raspberry Pi owners:** If you plan to use the LoRaWAN module or the Sigfox module with this Shield, you will need to add [this headers kit](#) to avoid any space problem.

## Related Tutorials

### e-Health Sensor Platform V2.0 for Arduino and Raspberry Pi [Biometric / Medical Applications]

Internet of Thin



The e-Health Sensor Shield V2.0 allows Arduino and Raspberry Pi users to perform biometric and medical applications where body monitoring needed by using 10 different sensors: pulse, oxygen in blood (SPO2), airflow (breathing), body temperature, electrocardiogram (ECG), glucometer, galvanic skin response (GSR - sweating), blood pressure (sphygmomanometer), patient position (accelerometer) and muscle/electromyography sensor (EMG).

[Read more](#)

### e-Health Sensor Platform V1.0 for Arduino and Raspberry Pi [Biometric / Medical Applications]

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The e-Health Sensor Shield allows Arduino and Raspberry Pi users to perform biometric and medical applications where body monitoring is needed by using 9 different sensors: pulse, oxygen in blood (SPO2), airflow (breathing), body temperature, electrocardiogram (ECG), glucometer, galvanic skin response (GSR - sweating), blood pressure (sphygmomanometer) and patient position (accelerometer).

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## Related Products





### [Waspnote - The Open Source Sensor Platform](#)

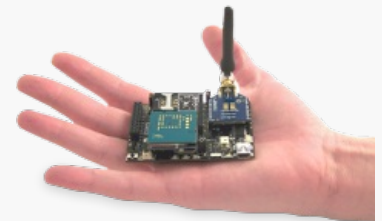
If you are interested in **Internet of Things (IoT)** or **M2M** projects check our open source sensor platform [Waspnote](#) which counts with more than **100 sensors** available to use 'off the shelf', a complete **API** with hundreds of ready to use codes and a low consumption mode of just **0.7μA** to ensure years of battery life.

Know more at:

- [Waspnote Product Page \(Libelium\)](#)
- [Waspnote Summary Page \(Cooking Hacks\)](#)

Get the Starter Kits at:

- [Waspnote Starter Kits](#)



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