

Resources: For Wearable Learning Activity Development
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<p>1. Hexiwear is the foundation for your future IoT inventions. This powerful IoT development kit is a small and sleek, low-power device packed with sensors to quantify yourself and the world around you. Wirelessly enabled, it can connect both to devices nearby – or to cloud servers far away. With Hexiwear you can create your own smartwatch, remote sensor tag, or sophisticated home controller. Plus, it comes with preloaded apps to give you a fast start.</p>  The image shows the Hexiwear IoT development kit, which consists of a small, green, cube-shaped device with a black top layer and a green bottom layer. It has several sensors and a camera lens on the top surface.	<p>Mouser: 932-MIKROE-2026</p> <p>\$49</p>
<p>2. WICED Broadcom's WICED™ Sense Kit is pre-programmed and ready for app developers and hardware and software developers to get going with an IoT project. The kit includes a WICED-branded Bluetooth Low Energy board housed in a sturdy plastic case. Inside is the BCM20737S Bluetooth Smart System-in-a-Package (SIP) module, five micro-electromechanical sensors (MEMS) and Broadcom's flagship WICED Smart software stack that's Bluetooth 4.1 compatible.</p>  The image shows the WICED Sense Kit, which is a small, red, oval-shaped device with a black top and bottom. It has a white "WICED" logo on the front and a small speaker grille at the bottom. A person's hands are holding the device, and another device is visible in the background.	<p>Mouser: 401-BCM9WICED_SENSE2</p> <p>\$19.99</p>

The kit's set-up is designed to be dead simple: Pop in the coin-cell battery, download the WICED Sense app ([available on the App Store](#) and in [the Google Play](#)

[Store](#) to a mobile device, and pair up the Bluetooth Low Energy connection between the sensor tag and the smartphone or tablet.

The tag, outfitted with a MicroUSB port, is now ready to gather all kinds of data, including:

- Temperature
- Humidity
- Atmospheric pressure
- Direction
- Speed

The kit takes less than five minutes to set up. All of the needed software is already pre-programmed onto the sensor tag.

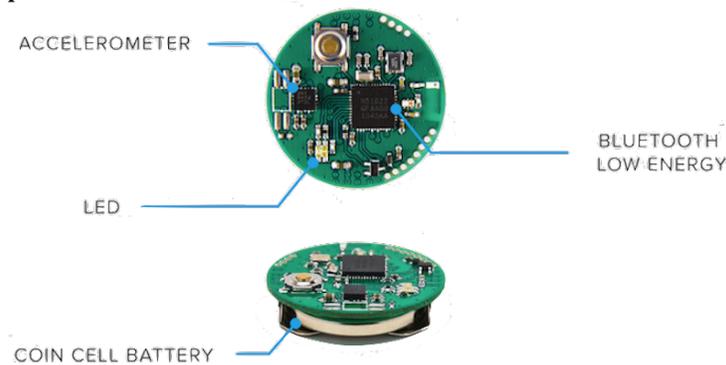
3. Metawear C

The C series come as a tiny round board, the size of a button or quarter, perfect for low cost and low power applications such as temperature monitors and asset trackers.

The board is programmable using your Smartphone. You can use the MetaWear iOS or Android App to get started or head over to our getting started guide [here](#) for a tutorial about MetaWear basics.

Source code for fully functional solutions such as ANCS, a pedometer (fitness tracker), and a LifeAlert button are available on our [MbientLab Projects](#) page.

Stick it on your water heater to monitor your power usage, embed it into a watch to get notifications, or hide it in your car so you don't forget where you parked.



<https://store.mbientlab.com/product-category/metawear-c/>
\$50

4. STEVAL - Wearable Sensor Unit

Mouser: 511-STEVAL-WESU1

Developed and optimized to help designers implement the latest technologies in wearable and portable applications. The small form factor of the hardware allows it to be enclosed in a watch strap, so the user can experience a real activity monitoring system and immediately begin appreciating the sensor data acquisition, as well as all of the embedded hardware and firmware features. App available free of charge from Apple Store™ and Google Play™ stores. The Apps are based on BlueST SDK, available on GitHub.

\$49.95



5. SENSIRION- SHT31 Smart gadget

Mouser: 403-1-101294



\$28.44

The SHT31 Smart Gadget is a simple reference design circuit board and development kit which demonstrates the outstanding performance and ease of use of Sensirion’s humidity and temperature sensors. The Smart Gadget not only shows humidity and temperature values on the display, but can also communicate with a bluetooth SMART capable device like a smartphone. Features:

- SHT31 humidity sensor
- LCD display for humidity, temperature and dew point in °C and °F
- Bluetooth Low Energy (BLE) connectivity to iOS and Android smartphones
- iOS and Android apps available
- Data logging capabilities