

The background features a light gray circuit board pattern with black traces and circular components. A dark horizontal band is positioned across the middle of the image, serving as a background for the text.

WunderBar: IoT Starter Kit for App Developers

Rozahasnizan,

September 05, 2017

What is it?

- A set of wireless detachable sensors and smart modules which can be controlled and monitored from smartphones via the internet.
- It packs Bluetooth Low Energy (BLE), WiFi and includes SDKs for iOS, Android and Node.js.
- Using this Kit, makes it easier to experiment with building apps for long-promised Internet of Things.

Components

- Physical
 - It is designed to look like a bar of chocolate, with seven snap-off-able pieces, and chunky 3D casings for each to make it easier to stick individual sensor modules.
- Smart Connectivity
 - The microprocessor can connect to the internet to the WiFi unit.
 - To communicate with the other six modules, it uses Bluetooth Low Energy (BLE)
- Connected
 - All of the activity that happens around the WunderBar is sent to the platform, where the data collected can be easily accessible and work with.

Smart Apps

- The API's , framework and libraries are accessible and designed to bootstrap anyone into developing for the programmable world.
- Owners can place a piece on anything they want and start programming.
- One piece contains a sensor to monitor light, colour and proximity, while another has a gyroscope and accelerometer for movement. A third sports a thermometer to measure temperature and humidity while a fourth contains infrared transmitter intended for control of a home entertainment system.



Applications

- Making a coat smart with a proximity sensor.
- Keep track of bike with an accelerometer.
- Temperature sensor to protect from the danger of warm beer.
- Control home entertainment system with infrared transmitter.