seeed studio

INDUSTRIAL PRODUCT DATASHEET

XIAO 60GHz mmWave Human Breathing and Heartbeat Sensor - MR60BHA2

[image] This MR60BHA2 Sensor Kit leverages 60GHz mmWave technology, offering reliable breathing and heartbeat detection, as well as human presence detection.

SKU	UPDATED	PRICE
114993387	2026-11-11 09:04:57	$26.90(Excl. VAT)



Overview



[image] This MR60BHA2 Sensor Kit leverages 60GHz mmWave technology, offering reliable breathing and heartbeat detection, as well as human presence detection. Featuring light level sensing, an RGB LED for customizable interaction, and support for extended sensors/actuators, it provides next-level sensing for more responsive automation. With the XIAO ESP32C6 as the brain, the kit comes with pre-flashed ESPHome firmware and wireless connectivity via Wi-Fi. Thanks to the pre-flashed ESPHome firmware, this kit offers no-code plug-and-play integration with Home Assistant, making it an ideal solution for healthcare monitoring, safety monitoring, elderly care, home automation, and more.

Key Features

01 **Feature 1**

Advanced mmWave Sensing for Breathing, Heartbeat and Human Presence Detection

02 **Human Static Presence**

Measures effectively up to 6 meters.

03 **Breathing & Heartbeat Detection**

Accurate for a single person at 1.5 meters with the device stationary.

04 **The above parameters have been tested in the empty deployment environments.***

05 **Feature 2**

Powered by ESP32 & ESPHome & No-Code Integration with Home Assistant

06 **Feature 3**

Ambient Light Sensing for Responsive Automation

07 **Feature 4**

Customizable Interaction

08 **Feature 5**

Extended Sensing or Automation with Grove

09 **Feature 6**

Open Source 3D Printed Enclosure

10 **Feature 7**

Open for Customization

Product Gallery









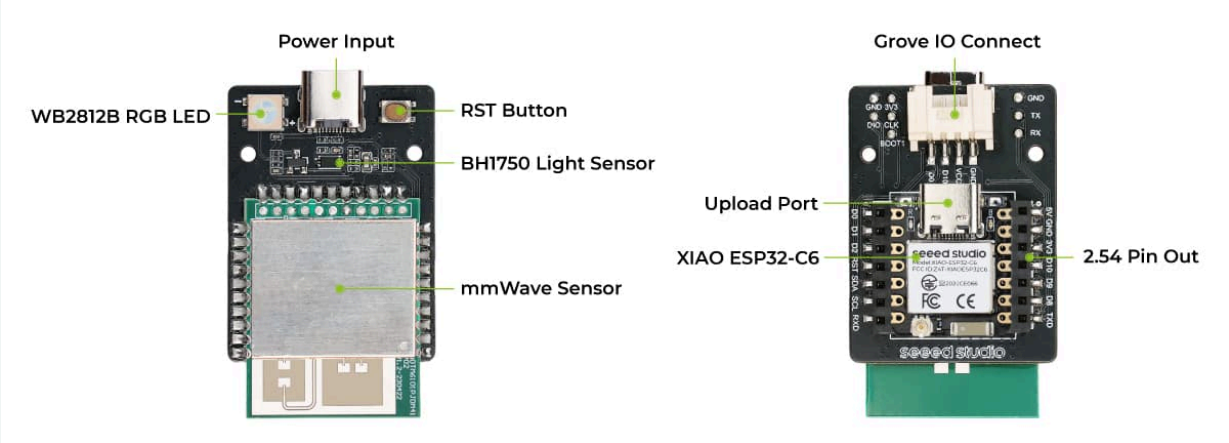








Hardware Overview



Resource Links

- https://www.seeedstudio.com/MR60BHA2-60GHz-mmWave-Sensor-Breathing-and-Heartbeat-Module-p-5945.html
- 3D printed enclosure
- PCN-114993387.pdf

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com