



## SILICON LABS BGM13S32F512GA Bluetooth Module Enables World's Smallest Wireless Accelerometer Instructions

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Bluetooth Module Enables World's Smallest Wireless Accelerometer  
BGM13S32F512GA



### Customer's Needs

A wireless accelerometer for harsh environments that can be controlled by a mobile device

### Results

Compact & Durable  
Easy to Use  
Low Power Consumption

## Products

BGM13S32F512GA

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## Situation

Since more is a startup working on predictive maintenance with its innovative wireless sensors and software applications. Traditional solutions in the market are based on manual processes with handheld devices and cannot be integrated into users' systems.

## Solution

Infinity is a compact and highly accurate wireless accelerometer. It can be used to detect motor failures in advance, preventing and reducing expensive downtime in industrial processes. The sensor is accompanied by a mobile device via Sense more Android App or Sense more Android API.

“ We managed to sell our product to the biggest companies and gained their trust in less than a year. Silicon Labs supported our agile side with its robust BLE modules and software environment.”


Çağlar Aksu – Founder of [Sensemore.io](https://sensemore.io)

## Benefit

Silicon Labs' BGM13S Bluetooth Low Energy module enabled the world's smallest wireless accelerometer. A highly robust internal antenna increases the reliability of connection, even in industrial fields. Bluetooth communications use the built-in frequency hopping technique so the data can be sent securely and reliably, even in noisy environments.

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## Documents / Resources

	<p><b><u>SILICON LABS BGM13S32F512GA Bluetooth Module Enables World's Smallest Wireless Accelerometer</u></b> [pdf] Instructions</p> <p>BGM13S32F512GA, Bluetooth Module Enables World s Smallest Wireless Accelerometer, BG M13S32F512GA Bluetooth Module Enables World s Smallest Wireless Accelerometer</p>
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