

Wireless Energy Harvesting Evaluation Kit

 energous®

 e-Peas
semiconductors

In partnership with e-Peas, this Wireless Energy Harvesting Evaluation Kit gives you a hands-on experience with Energous' award-winning Wireless Power Networks technology, e-Peas energy harvesting management chip. This kit is specifically designed to demonstrate the capabilities of these technologies for IoT sensor applications by providing a consistent over-the-air wireless power supply conduit for various applications.

This Wireless Energy Harvesting Evaluation Kit combines Energous' radio frequency (RF) wireless power network solution with e-Peas' power management IC technology to support at-a-distance wireless power applications for smart buildings, industrial IoT sensors, retail electronic displays and more.

The Eagle (1W) PowerBridge transmitter incorporates the EN4100 and EN3210 devices. The EN4100 is a highly integrated System-on-Chip (SoC) RF transmitter IC, while the EN3210 is a 1W, high-efficiency power amplifier (PA).

The AEM30940 is the system charger and PMIC, configurable for different energy storage elements.

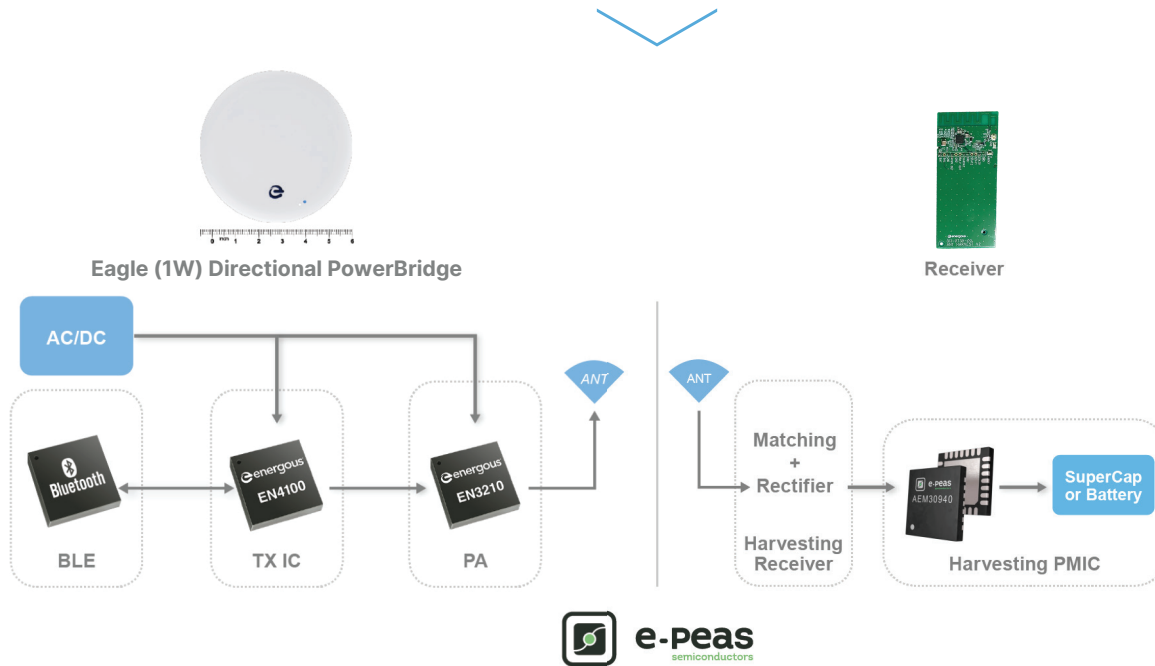


Kit Contents

- Eagle (1W) PowerBridge Transmitter (1)
- EN Harv_Mod (AEM30940 Evaluation Board with stand) (1)
- 5V/1A USB Power Adapter and USB-A to USB-C Cable



Wireless Energy Harvesting Evaluation Kit Block Diagram



Advantages

- e-Peas AEM30940 Harvesting PMIC with Supercapacitor or Rechargeable Lithium Battery Support
- Low Voltage Operation from 50 mV to 5V
- Cold Start from 380 mV Input Voltage
- Flexible Solution to Enable Wireless Energy Harvesting for a Variety of Applications

For more information or to order,
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