

WattUp[®] PowerHub Developer Kit

WattUP[®]

Enabling Faster Integration of Energous' WattUp Wireless Charging Technology Into Customer Product Designs

The WattUp PowerHub reference design transmitter incorporates the EN4100, EN3921 and EN3913M devices. The EN4100 is a highly integrated system-on-chip (SoC) Wireless Power Transfer (WPT) transmitter IC, the EN3913M is a highly-efficient, GaN power amplifier (PA) controlled by the EN3921.

On the receiver side, the EN2223 RF-to-DC receiver can be connected to up to four antennas.



Kit Contents

- WattUp PowerHub
- Reference Design Receiver Hardware
- Mobile App to monitor & control TX/RX
- TX/RX Schematics and Layout files
- TX/RX Mechanical files

Simple Implementation

- Flexible designs that can fit into multiple transmitter and receiver designs
- Universal transmitter supports variety of receiver devices charging at the same time "one to many"
- Single PA/antenna non-beamforming
- Lowest BOM for Tx and Rx

User Friendly Experience

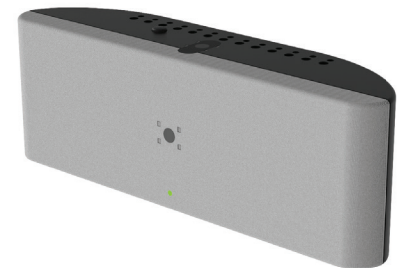
- Over-the-air distance charging interoperability

Advantages

- Ready to evaluate WattUp transmitter and receiver platform technologies
- Faster TX solution integration through optimized design
- RX capable of charging small form factor and large consumer devices
- RX detection and management for multiple simultaneous charging devices

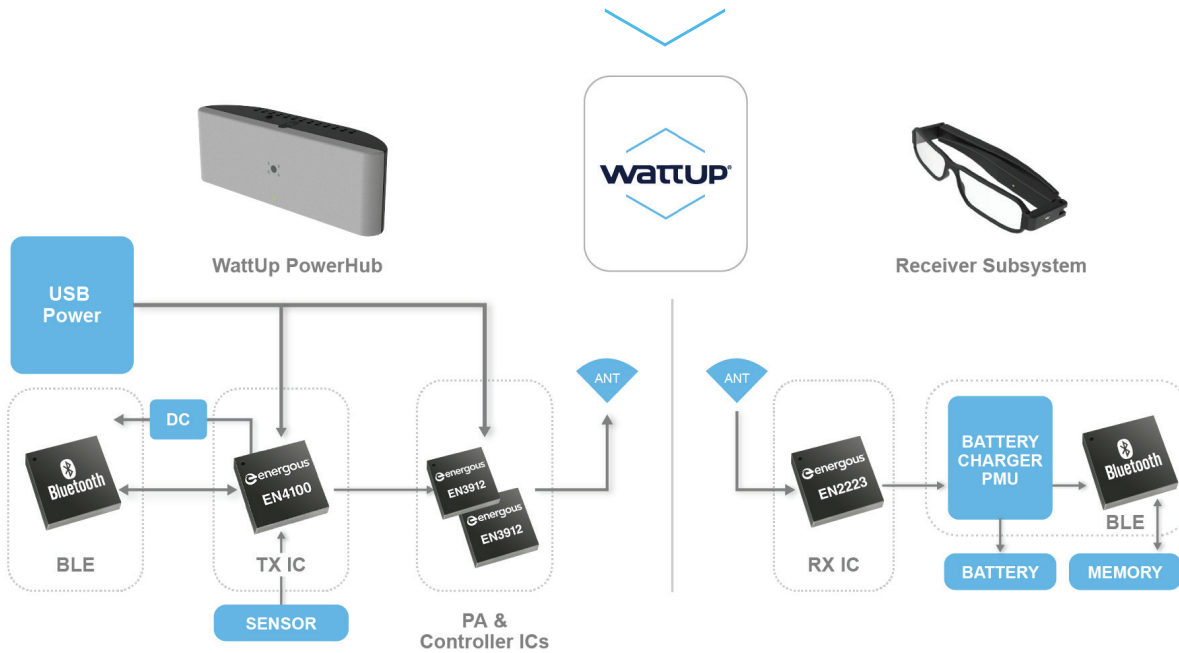
Scalable Architecture

- Scalable Tx architecture to go for higher power and higher distance





WattUp PowerHub Wireless Charging Developer Kit Block Diagram



Applications

- Smart Speakers
- Gaming Consoles
- Desktop Speakers
- WiFi Access Points
- Computer monitors
- Teleconference Equipment & More

Wireless charging transmitter supporting groundbreaking at-a-distance charging

- Small size and cost optimized BOM using optimized WattUp technology
- Scalable performance up to 5.5 W of conducted power using a single WattUp PA
- Charging Zone up to 1m

For more information or to order,
please contact: sales@energous.com

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