

# 1W WattUp® PowerBridge – Works with Wiliot® Product Brief

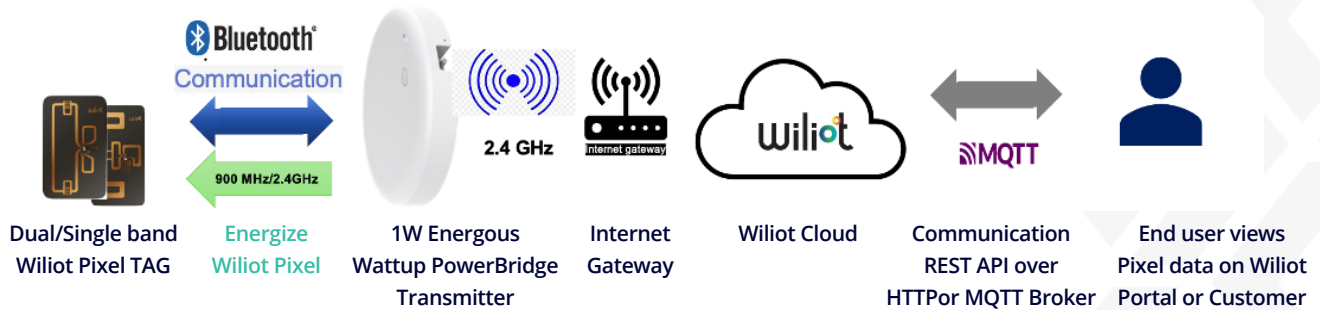
# WATTUP®

The 1W WattUp® PowerBridge is a Works with Wiliot® device that energizes Wiliot IoT Pixels and rebroadcasts their beacons.

## General Description

The 1W WattUp PowerBridge is a cost effective, easy to deploy device that enables a reliable wireless power network for Wiliot IoT Pixels. It is a low-profile and light-weight integrated system designed for easy installation on both walls and ceilings to facilitate large coverage areas. The 1W WattUp PowerBridge scans for Wiliot IoT Pixel beacons and intelligently re-broadcasts them in a process called Echoing to ensure all beacons are captured and passed to a Gateway device.

The 1W WattUp PowerBridge is designed around Energos' EN4100 and EN3210 devices. The EN4100 is a highly integrated System-on-Chip (SoC) RF transmitter IC and the EN3210 is a 1.4W high-efficiency CMOS power amplifier (PA).



## 1W WattUp® PowerBridge within the Works with Wiliot® Ecosystem



3590 N. 1st Street Suite 210  
 San Jose CA 95134  
 1-408-963-02100  
[energos.com](http://energos.com)

## Key Features

### > Works with Wiliot®

- Up to +30 dBm 900MHz band energizing signal
- Up to +20dBm 2.4GHz band energizing signal
- BLE beacon filter and repeater functionality

### > Circular Polarized Sub-1GHz and 2.4GHz

### > 5V/1A Operation

### > Key Applications of Wiliot IoT Pixels

- Inventory Tracking
- Asset Tracking and RTLS
- Temperature Monitoring
- Safety and Security

