



Lights On, Volume Up with Sengled

ZigBee and Thread | LED Bulbs



Customer's Needs

Reliable Connectivity
Small Size
Design Flexibility

Results

Product performance and protocol compatibility
World-class Technical support
World's First

Products

zigbee Wireless Network

Situation:

With the growing IoT and home automation market, Sengled became determined to transform traditional light fixtures. In addition to achieving an aesthetic design, Sengled had to problem solve to cool the LEDs, manage high-speed hardware, meet reliability and performance standards in a way that would not increase the size of traditional lighting products.

Solution:

Sengled developed Pulse, the world's first multi-channel speaker system built into a light bulb that can be operated via a mobile device. Pulse is driven by Silicon Labs's zigbee solutions, which was carefully chosen for its performance, stability, and compatibility, as well as the company's technical and business support.



“Sengled has been dedicated to making daily life healthy, happy, and convenient through lighting products designed for simplicity and style.”

Charles Sun, VP of R&D at Sengled

Benefit:

Sengled is focused on integrating IoT solutions into lighting and security. With zigbee, Sengled can advance their products through seamless connectivity, high-tech functionality, and small compact design.



Silicon Laboratories Inc., Silicon Laboratories, Silicon Labs, SiLabs and the Silicon Labs logo, CMEMS®, EFM, EFM32, EFR, Energy Micro, Energy Micro logo and combinations thereof, "the world's most energy friendly microcontrollers", Ember®, EZLink®, EZMac®, EZRadio®, EZRadioPRO®, DSPLL®, ISOModem®, Precision32®, ProSLIC®, SiPHY®, USBXpress® and others are trademarks or registered trademarks of Silicon Laboratories Inc. ARM, CORTEX, Cortex-M3 and THUMB are trademarks or registered trademarks of ARM Holdings. Keil is a registered trademark of ARM Limited. All other products or brand names mentioned herein are trademarks of their respective holders.