Making IP-Based Mesh Networking a Reality
for the Connected Home

IP-Based Wireless Mesh Networking Options for the Connected Home

The demand for connected home devices is driving a need for new IP-based wireless mesh networking protocols. Silicon Labs – the leading supplier of ZigBee®-based mesh networking technology - is a driving force behind the new Thread Group. The Thread protocol will enable product developers to easily and securely connect devices into low-power, wireless mesh networks that also include direct Internet and cloud access for every device.

[Learn More about Thread]

"The IoT makes the connected world more energy-friendly."

Clock Tree Expert

IoT and Energy Efficiency

Silicon Labs' CEO Tyson Tuttle recently spoke about the many ways that the Internet of Things is enhancing energy efficiency in today's connected world.

[Read Tyson's]

Clock Tree Designs Simplified

Our new easy-to-use web utility quickly turns you into a timing expert, giving you the ability to generate sophisticated, streamlined clock tree block diagrams within minutes.

[Get]

Wireless Protocols Explained

Six protocols. Infinite applications. Explore the current wireless protocol landscape and discover how you can incorporate one or more protocols into your next IoT design.

Read Article

Arduino-Shaped EFM32 Board

A Silicon Labs Community member created arduino-shaped boards using our energy-friendly Giant Gecko 32-bit MCU. See how you can take his design to the next level.

View Project

8-bit MCUs for the IoT

8-bit MCUs are a good choice for cost-sensitive IoT applications that require small memory footprint, high functional density, determinism and speed of response.

Read Blog Series