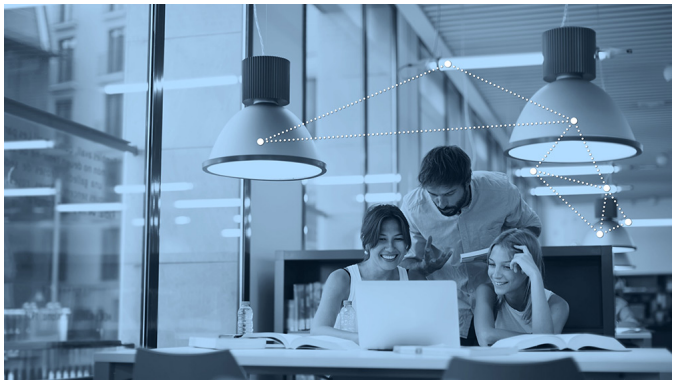
The Bluetooth Special Interest Group (SIG) add a new capability to the wireless connectivity standard-- mesh networking, enabling many-to-many (m:m) capability and the creation of large-scale device networks.



The technology is compatible with Bluetooth 4.0 and higher, and operates on Bluetooth Low Energy (LE). It is ideal for building automation, sensor networks and other Internet of Things (IoT) applications involving tens, hundreds or even thousands or devices. According to the SIG, Bluetooth-based mesh networks are inherently self-healing, with no single point of failure, scalable to thousands of nodes and include "industrial-grade" security.

In addition Bluetooth offers global interoperability, since multi-vendor interoperability testing is conducted during the specification development process, not after the release of the specification.

“By adding support for mesh networking, the Bluetooth member community is continuing a long history of focused innovation to help new, up-and-coming markets flourish,” the Bluetooth SIG says. “In the same way the connected device market experienced rapid growth after the introduction of Bluetooth Low Energy, we believe Bluetooth mesh networking can play a vital role in helping early stage markets, such as building automation and wireless sensor networks, experience more rapid growth.”

The Bluetooth mesh networking specification, and the tools required to qualify Bluetooth products with mesh networking support, are available now.

Go [Bluetooth SIG Announces Mesh Networking Capability]