

# EtherMind Bluetooth<sup>®</sup> Mesh IP

Revolutionize your products with  
Bluetooth Mesh Networking Technology



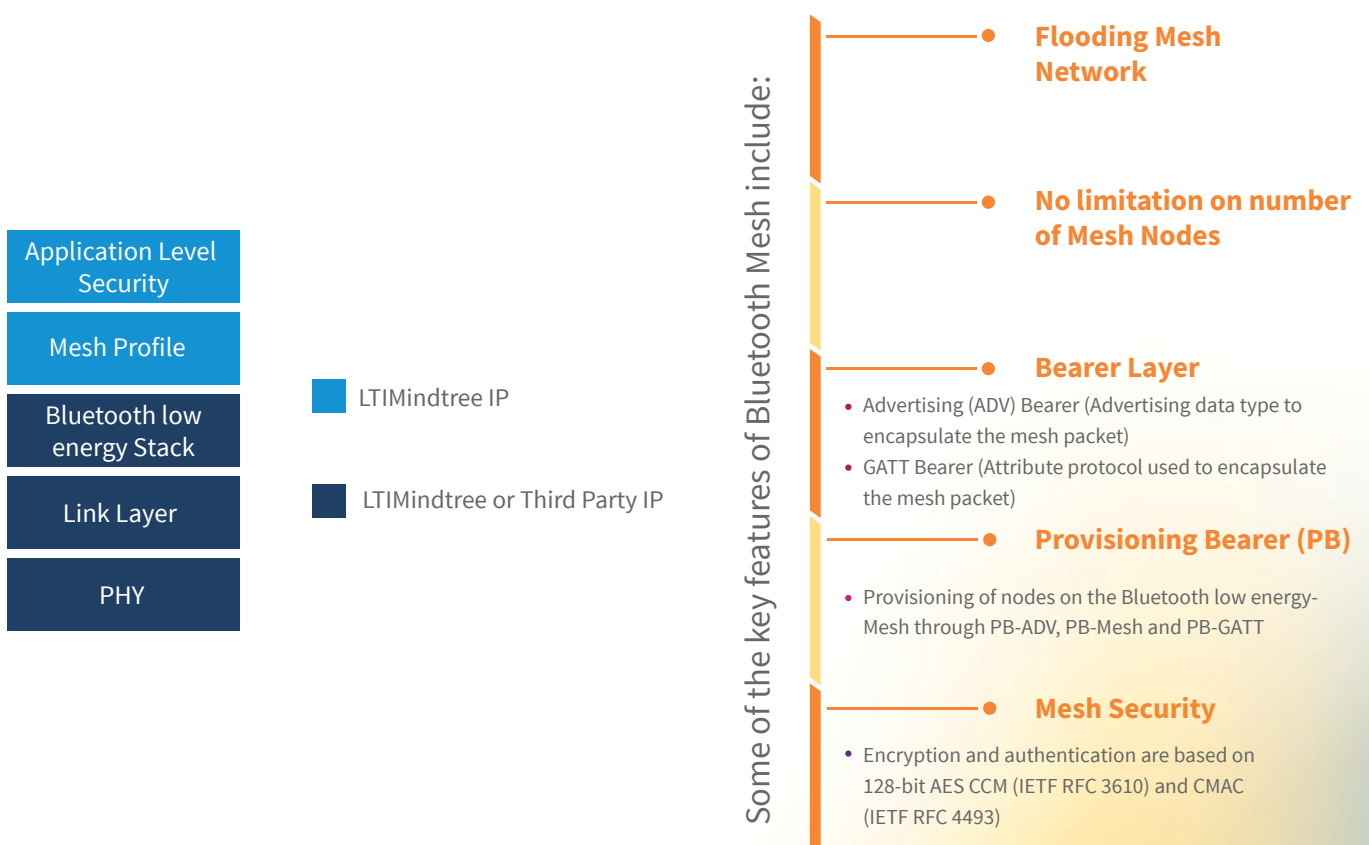
# Introduction

Mesh networking technology is critical in IoT, home automation and industrial applications. Bluetooth Mesh enables an interoperable mesh networking over low power Bluetooth low energy wireless technology. EtherMind Bluetooth Mesh is LTIMindtree’s Bluetooth low energy Mesh IP, which supports Bluetooth Mesh v1.0.1 specification. LTIMindtree can help you add the Mesh capability to any of your Bluetooth low energy products which support Bluetooth version 4.0 and beyond.

By partnering with us, customers can achieve faster go-to-market for their products. To view the video demo of LTIMindtree’s implementation of Bluetooth MeshIP, [click here](#)

## Bluetooth Mesh IP Suite Product Features

LTIMindtree Bluetooth Mesh’s IP is aligned to Mesh v1.0.1 specifications. It supports all mandatory and optional specifications, all states (Servers, Clients) and topology roles (Edge Node and Relay Nodes). LTIMindtree’s Mesh IP is built on top of LTIMindtree Bluetooth low energy stack. However, it can quite easily be ported onto any third party Bluetooth low energy stack. This requires access to the GATT Layer (for GATT Bearer interface) and HCI Layer (Advertising Bearer interface).



## Key Benefits

### Reduced technical risk

- BQB Qualified
- Interoperability tested at all Mesh UnPlugFests
- Proven and Licensed to 5+ Customers across the globe
- Supports all Mesh models, this includes Generic, Lighting, Sensors, Scheduling and Timing
- Customer Qualifications
  - ON Semiconductor
  - PHY Plus Inc
  - Dialog Semiconductor

### Faster time-to-market

- Complete implementation in ANSI C to enable easy portability across various microcontrollers
- Platform and operating system-agnostic and designed for easy portability
- Proven portability across LTIMindtree as well as third-party Bluetooth Stack

### Cost Optimization

- Memory footprint of 48-80 KB Flash
- Data Memory (RAM) of 6-12 KB Proven on 8-bit, 16-bit and 32-bit tmicrocontrollers highly configurable to suit the product needs of OEMs thereby enabling further optimizations

## Bluetooth Leadership Credentials

LTIMindtree is a pioneer in Bluetooth IP licensing and providing engineering services for semiconductor companies and OEMs.



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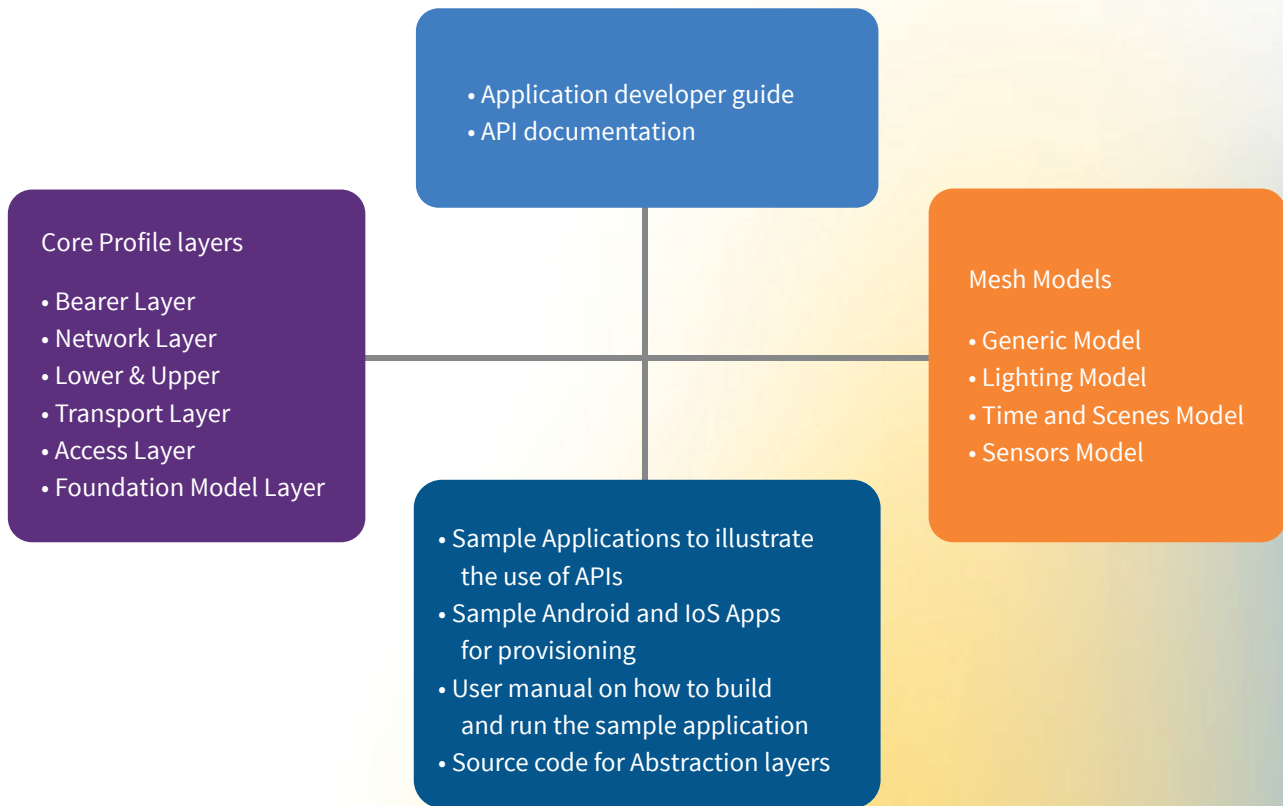
**100+**  
Design  
wins

**100mn+**  
Products shipped  
with IP

**50+**  
Unplug Fests  
attended.

Co-creator of  
**4.X & 5.X**

## Key Deliverables



## Get in Touch

Wireless IP and Services Division

✉ [wireless.ip@ltimindtree.com](mailto:wireless.ip@ltimindtree.com)

### About LTIMindtree

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 82,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit <https://www.ltimindtree.com/>