

# Topology Planning & Routing

Combine the knowledge of an engineer, the skill of a layout designer and the power of an auto-router

Xpedition xPCB Topology Planner & Router provides automated planning tools for the engineer to evaluate and plan bus-system interconnects early in the design phase, thus eliminating the need for paper designs. No more sketching design plans on paper or having engineers standing over the shoulder of a designer while they work.

Instead, Topology planning & routing provides a fully automated planning process and a powerful auto-router that produces the same quality designs as the old manual process.

## **Key Features**

- Topology Planning enables engineers to define constraints and basic topology for critical bus paths
- Topology Routing leverages an auto-router so layout designers can route multilayer bus paths and optimize via patterns
- Provides more compact designs that mimics the expertise of an experienced designer allowing for more functionality in smaller spaces
- Reduces product design cycle times by capitalizing on auto-routing speed
- Provides more compact designs that mimics the expertise of an experienced designer allowing for more functionality in smaller spaces
- Enables higher quality designs that optimizes manufacturability and performance
- Facilitates the efficient re-use of design databases in future products (ECOs)
- Enhances digital engineer to designer communication