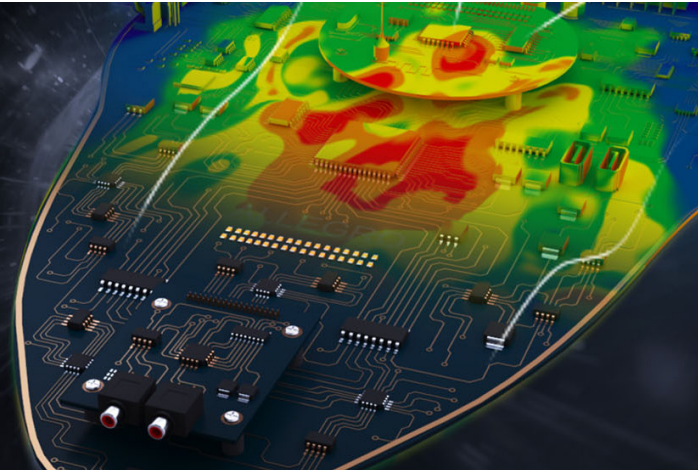# Sigrity Workbench
Starter Pack

Today's PCBs are too complicated for visual inspection. Cadence® Sigrity solutions provide a comprehensive and unified environment for accurately assessing SI/PI/EMC issues across your board. The ability to import multiple PCB formats combined with the workflows and wizards available in Sigrity makes it easy to get started. With model creation and management, complete electrical analysis, and automatic compliance reporting, you can easily determine optimal design configurations, validate performance and signoff on your cirtical interconnects well before prototype.

Find and Fix Common Design Issues Up Front with the Sigrity Starter Pack

- Ensure proper power levels are delivered to devices through IR drop analysis of the static power delivery system

- Identify nets crossing splits and the source of reflection or noise by detecting impedance discontinuties

- Identify critically coupled traces for adequate spacing and optimal signal quality

- Analyze and identify return path discontinuities to ensure uninterrupted references and an optimized return path

- Automatically generate sharable simulation reports in a graphical HTML format

- Easily manage models and create realistic simulations for SI and PI analysis in one easy-to-use, unified user interface

Easy-to-Use
Get up and running quickly with easy-to-follow workflows, wizards, and CAD-neutral analysis.

Comprehensive
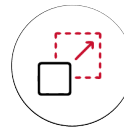Access Signal Integrity, Power Integrity, EMI, and EMC analysis all in one unified UI.

Fast and Accurate
Get 10x Speed up with hardware-validated accuracy that is multi-core & cloud ready.

Wizard-Based UI
A wizard-based UI guides you through the simulation setup and analysis process quickly and efficiently.

Scalable
As your requirements increase, easily add additional workflows all within the same UI.

Access to Key Workflows
Quickly access and perform the analysis needed to meet your design needs with the unique workflow-driven design environment in Sigrity.
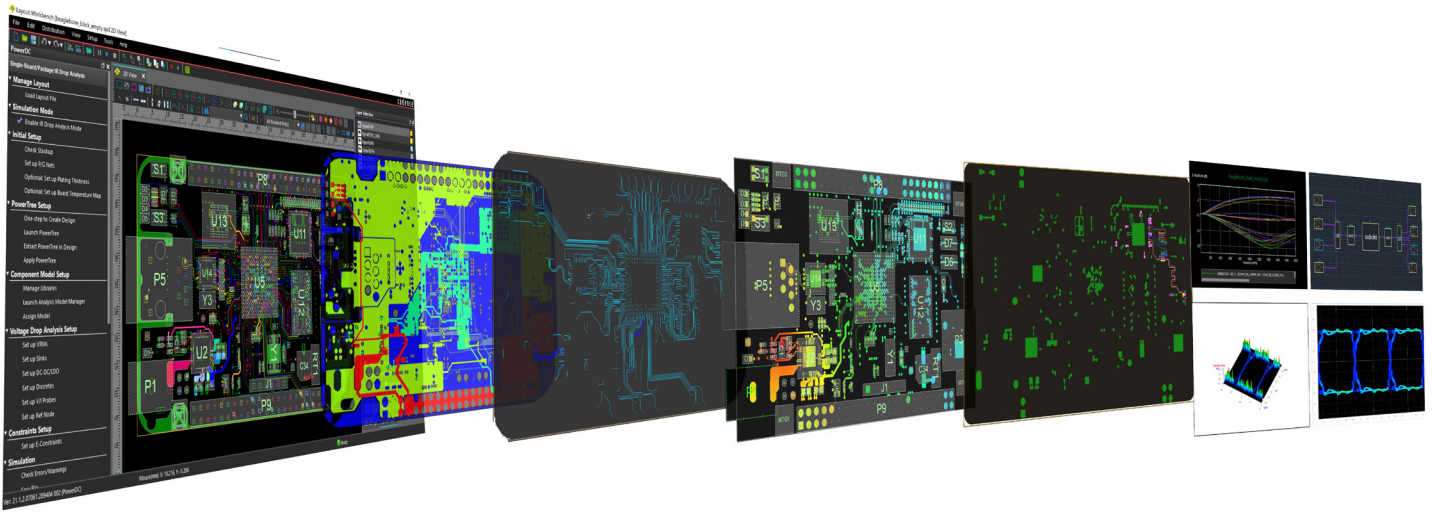
Multi-CAD
Support for all major formats such as Allegro, Zuken, Altium, Mentor, PADS, DXF, ODB ++, IPC-2581, and more.

Multi-Domain Electrical Analysis Solution Built to Grow with You

Sigrity empowers engineers with everything needed to take control of their signal and power integrity including a single-user interface, robust analysis capabilities, and actionable insights. The Sigrity starter pack provides access to a powerful set of ready-to-go SI/PI/EMC workflows to utilize right out of the box. With guided setup or Powertree modeling, easily perform coupling, impedance, and IR drop analysis to guarantee the quality of the power delivery network and signals. As designs evolve and increase in complexity, easily add simulation capabilities to achieve the functionality needed to solve signal and power integrity issues early.

Over 50 Workflows to Choose From

Power Integrity	Thermal Analysis	ESD	Channel Analysis
IR Drop | Resonance Impedance | Loop Inductance | Thermal	Transient & Static Electrical FEA | CFD Thermal Co-Sim	Virtual ESD Gun TVS Analysis	DDRx | USB | PCI-e | MIPI HDMI | SATA | Serial Parallel | AMI Modeling

Signal Integrity	EM Analysis	EMI/EMC	Topology Exploration
Impedance | Coupling Crosstalk | Noise TDR/TDT	Model Extraction Full 3D EM | S-Parameters	Near Field | Far Field | SAR Radiated Emissions Cap Optimization	SI | PI | Solution Sweeps Requirements Definition

Want to See What Sigrity Can Do for you?

Our team will be happy to work alongside you with one of your designs. Contact your sales representative for more information or request a demo at go.ema-eda.com/sigritychallenge