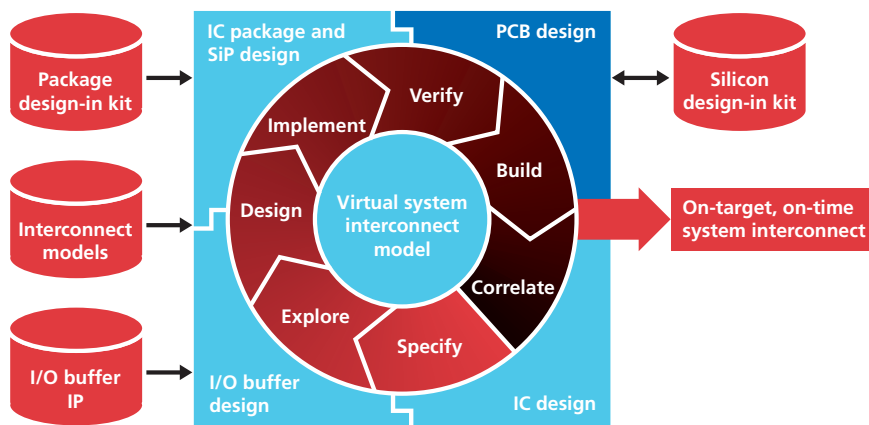


ORCAD UNISON SUITES

Today, it is not uncommon for an individual printed circuit board (PCB) designer or small team to manage the complete design process from inception to completion. To support these multi-tasking designers, OrCAD® developed cost-effective Unison Suites. These integrated, production-proven product packages include: OrCAD Unison EE, an integrated front-end PCB design solution; OrCAD Unison PCB, an integrated back-end PCB design solution; and OrCAD Unison Ultra, which give designers an entire front-to-back PCB design flow.



ORCAD PCB DESIGN TECHNOLOGIES

OrCAD products have a proven track record of innovation in the PCB personal productivity market. Available as stand-alone tools or in comprehensive suites, they allow designers to realize products from conception to manufacturing output. Easy-to-use and intuitive, they offer exceptional value. OrCAD technology also provides easy migration to the Cadence® Allegro® platform (see Figure 1).

Figure 1: The affordable, high-performance OrCAD product line is easily scalable with the full complement of Cadence Allegro PCB design solutions

ORCAD UNISON SUITES COMPARISON CHART

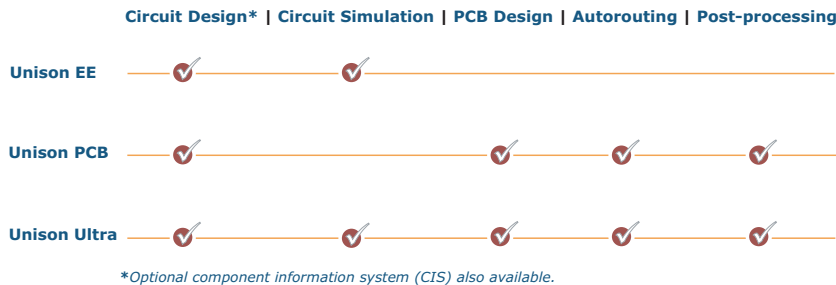


Figure 2: OrCAD makes the choice easy with packages targeted to design tasks

ORCAD UNISON SUITES OVERVIEW

Each of the Unison Suites includes industry-standard solutions from OrCAD. The comparison chart can help to select the appropriate solution (see Figure 2).

Depending on the package selected, the OrCAD Unison Suites will include two or more of the following technologies.

- OrCAD Capture, an intuitive, easy-to-use schematic entry solution, provides cross-highlighting and cross-probing as well as forward and backward annotation. Whether designing new circuits, revising a schematic diagram for an existing PCB, or creating a block diagram of HDL modules, this full-featured schematic editor gives designers everything they need to complete and verify a design.
- OrCAD Layout, a place-and-route editor that allows for creation and sharing of design data and constraints, employs an automatic engineering change order (AutoECO) feature to import netlists and merge them with board template or existing board designs. Manual placement tools provide full control of the component placement process; components can be placed individually or in groups. After pre-routing critical traces, the remainder of the design can be routed with a grid-based autorouter or the SPECCTRA® for OrCAD autorouter.
- SPECCTRA for OrCAD, a shape-based autorouter, employs powerful algorithms to make the most efficient use of the routing area. After checking the design with the tools and reports function, routing information is automatically read back into OrCAD Layout.

- PSpice® A/D, a sophisticated, native mixed-signal simulator, allows engineers to perform a broad range of PSpice analyses. Ideal for simulating analog and mixed-signal designs, it contains parts ranging from IGBTs and pulse width modulators to ACS and ADCs. Tight integration with OrCAD Capture facilitates rapid design-and-simulate repetitive cycles allowing engineers to explore various design configurations before committing to specific implementation.

BENEFITS

- Maximizes investment with a low cost of entry and ownership
- Reduces design cycles via tight tool integration
- Increases productivity with powerful features
- Ideal for proof of concept and rapid prototyping

ORCAD UNISON EE SUITE

The OrCAD Unison EE Suite, a highly integrated front-end design solution, incorporates OrCAD Capture, a powerful schematic entry tool, and PSpice A/D, the industry-standard analog and mixed-signal simulator. PSpice A/D is fully integrated with OrCAD Capture, including one-button simulation and cross-probing. Add a powerful component information system with the CIS Option to OrCAD Capture.

ORCAD UNISON PCB SUITE

The OrCAD Unison PCB Suite includes OrCAD Capture, OrCAD Layout, and SPECCTRA for OrCAD. These design tools offer powerful features and functionality through the entire design process, enabling designers to go from concept to manufacturing without having to translate files, manually resynchronize data, or deal with troublesome design integrity issues. Seamless integration between schematics and board design allows for front-to-back verification. Inter-tool communication reduces rework and streamlines the entire board design process. Add a powerful component information system with the CIS Option to OrCAD Capture.

ORCAD UNISON ULTRA SUITE

OrCAD Unison Ultra Suite, an integrated front-to-back PCB design solution with circuit simulation, includes OrCAD Capture, PSpice A/D, OrCAD Layout, and SPECCTRA for OrCAD. It allows seamless integration between schematics and board design for front-to-back verification. Its comprehensive libraries include 40,000 electronic parts and electro-mechanical symbols with 18,000 simulation models, simplifying design verification. Add a powerful component information system with the CIS Option to OrCAD Capture.

SYSTEM REQUIREMENTS

- Pentium 4 (32-bit) equivalent or faster
- Windows XP Professional, Windows XP Home Edition, Windows 2000 (SP4), or Windows Server 2003
- Minimum 256MB RAM (512MB recommended)
- 300MB swap space (or more)
- CD-ROM drive
- 32,768 color Windows display with minimum 1024 x 768 (1280 x 1024 recommended)

SALES, TECHNICAL SUPPORT, AND TRAINING

The OrCAD product line is owned by Cadence Design Systems, Inc. and supported by a worldwide network of Cadence Channel Partners. For sales, technical support, or training, contact your local Cadence Channel Partner. For a complete list of authorized Cadence Channel Partners, visit www.cadence.com/partners/channel_partner/index.aspx.

PRICING INFORMATION

For product pricing and availability, contact a Cadence Channel Partner nearest you. For a complete list of authorized Cadence Channel Partners, visit www.cadence.com/partners/channel_partner/index.aspx.