

Altium Designer Highlights

Some of the Key Benefits in Altium Designer

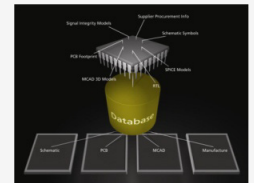
Complete Design System

- Design environment with a single data model
- Unifies the entire electronic design process in one application, *"From Concept to Manufacture and beyond"*



Design Data Management and Component Management

- Seamless design data synchronization between domains with a managed version control and file system
- Improved design data integrity through controlled and automated release processes
- Component management for entire developing process, including powerful
 - Component traceability across any design or release document ("where-used")
 - Revision and lifecycle management



New Software Installer

- Simple and customized installation process
- Instant access to new technologies and product improvements (constant content stream instead of waiting for software releases or updates – you install when you are ready)



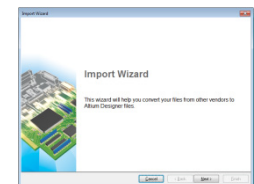
Windows 7 Support

- Altium Designer has been built to fully support the Windows 7 environment, so engineers can stay up-to-date with the latest Operating System



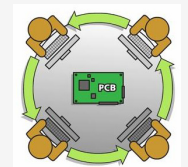
Data Import / Export

- Supports import and/or export of designs and library data generated in Mentor Expedition, OrCAD, Allegro, PADS, DxDDesigner, Cadstar, P-CAD, CircuitMaker, Protel and more



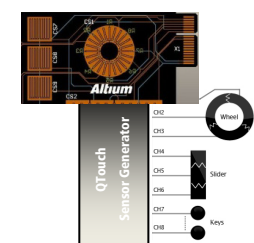
Collaborative PCB Design

- Design teams have access to the same PCB design without affecting other designers
- Faster layout and improvement of design outputs
- Version control based real-time collaboration environment for PCB layout allowing accurate comparison, identification, merging and resolving of differences between versions



Support for Atmel QTouch Controls

- Industry's first integrated touch sensor development solution
- Sensor generator creates shapes automatically fully compliant to the sensor design rule set. Only parameters needs to be changed to redesign a QTouch structure – design time reductions up to 90%!

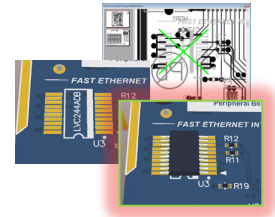


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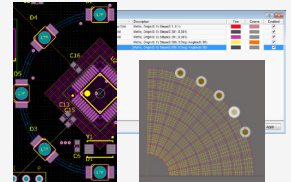
Better Visualization of Project Variants in PCB

- Variants are visible within the schematic and PCB editor
- Differently assembled PCB variants can be viewed in both 2D and 3D modes



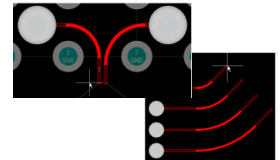
Unified Cursor-Snap System

- Electrical and visible grids along with primitives and component snap grids
- Polar grids and a grid manager, e.g. to assign different color or define priorities in the PCB



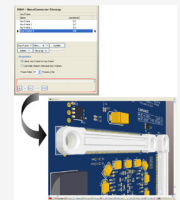
Arc Support for Multi-Route Tools

- Enhanced multi-trace and interactive differential pair routers with arc corner style support



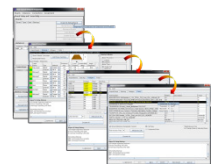
PCB 3D Video

- Ability to generate PCB 3D video documentation for assembly instruction manuals, demonstration of moving parts or flyover of the angles to showcase your product



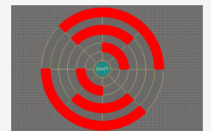
Improved Simulation Capabilities

- Additional interfaces to simulation tools like Ansoft and Sisoft



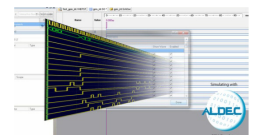
Custom Pad Shapes

- Implement SMD inductors, RF geometries, switch contacts and more complex pads as you go



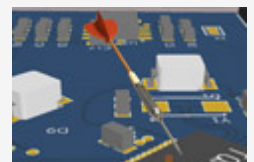
Aldec Simulator

- Aldec HDL OEM simulation engine to simulate VHDL or Verilog code
- Optimised verification of VHDL/Verilog based designs, state-of-the-art simulation technology, more meaningful error messages



Soft Design - Debugging

- Easier debugging of register accesses
- Ability to attach the embedded debugger to a running application at any time (not straight from the beginning as usually)



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