

ALTIUM DESIGNER® 18

WHAT'S NEW FEATURE SUMMARY

Altium continues its focus on delivering user-focused, easy-to-use and performance-enhancing PCB design tools as part of a single price solution with the introduction of **Altium Designer 18**.

HIGH PERFORMANCE MADE SIMPLE

Altium Designer 18 significantly enhances user experience and productivity using a modern interface to streamline your design workflow, while enabling unprecedented performance optimization with 64-Bit architecture and multi-threading.

You can create interconnected multi-board projects and render high density, complex PCB assemblies quickly and accurately. The modern user interface, along with updates to enhance routing, BOM creation, rule-checking, and manufacturing hand-off capabilities, enable you to design more efficiently and productively than ever.

When you have the latest version of Altium Designer, you can rest assured you have the most powerful, modern, and easy-to-use PCB design technology at your fingertips.

AD16 vs AD18

POLYGON REPOUR ALL

2:36

12:56

5.0X Faster >>>

GERBER FILES GENERATION

0:59

02:33:00

155.6X Faster >>>

ONLINE DRC

5:46

32:30

5.6X Faster >>>

FILE OPENING (WITH SCENE BUILDING)

1:26

9:36

6.7X Faster >>>

PROJECT COMPILATION TIME

0:16

0:54

3.38X Faster >>>

Project A: 4-Layer, Tracks 39.6K, Components 1925, Nets 1267, Polygons 369



POWERFUL PCB DESIGN

HIGHLIGHTS

DEFINITION

ADVANTAGES

64-Bit and Multi-Core Execution

64-Bit architecture and refactored, multi-threaded code make better use of your computer's resources for features you use regularly.

Design large, complex boards faster than ever with the assurance of never running out of memory.

Leverage more efficient algorithms to significantly improve task execution, speed and design time on many common tasks - including online DRC, schematic compile, polygon pour, and output generation.

MODERN INTERFACE EXPERIENCE

HIGHLIGHTS

DEFINITION

ADVANTAGES

Properties Panel

The Properties Panel combines property dialogs and the Inspector Panel, simplifying access to object attributes and parameters using selection filters, document/snap options, shortcuts and object properties.

Displays important design information in one location for a more streamlined experience - including context sensitive information to clearly visualize your design workflow.

Libraries Panel and Global Search

The Libraries Panel enables fast search and placement of components, while incorporating relevant supply chain data from over 100 verified suppliers.

Memorizing a command or accessing a certain dialog is no longer a hassle. Use the global search to quickly access your entire design for anything from design objects to commands.

Layers and Color Panel

The Layers and Colors Panel equips you with complete power to customize layer scale, masks, 3D objects, and even system colors visibility.

Quickly switch between savable configuration view styles to filter out the noise and clutter so that you can focus on your design without distractions.

INTERCONNECTED MULTI-BOARD ASSEMBLY

HIGHLIGHTS

DEFINITION

ADVANTAGES

Multi-Board Assemblies and NATIVE 3D™ Rendering

Connectivity management and enhanced 3D engine allows you to render design models and multi-board assemblies while defining interconnections between them

Define interconnections between multiple boards to render cohesive, realistic assemblies that work right the first time.

Plus, switch between 2D and 3D layouts in an instant without needing to switch to another program - optimizing design speed and performance while providing detailed shading and realism.

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FAST AND HIGH-QUALITY ROUTING

HIGHLIGHTS

DEFINITION

ADVANTAGES

ActiveRoute®

Visual Constraints and user-guided routing automation enable you to route complex topologies across layers.

Rapidly route a large number of connections (i.e. BGA, DDR, Busses, etc.) and complex topologies at the speed of a computer, but the quality of a veteran PCB designer.

REAL-TIME BOM MANAGEMENT

HIGHLIGHTS

DEFINITION

ADVANTAGES

ActiveBOM®

Real-world items link to your BOM, so every part is associated with real-time availability, price, and supply chain information from over 100 verified suppliers and personal supplier contracts.

Easily track the availability, price, lead time, and approved supplier source early in the design phase - while leaving part purchasing decisions until the final stages. Simply place generic parts in your design and link to real-world items from suppliers on your own timeline.

SEAMLESS PCB DOCUMENTATION PROCESS

HIGHLIGHTS

DEFINITION

ADVANTAGES

Draftsman®

Directly place all of the necessary assembly and manufacturing views with actual source data for easy updates.

Eliminate yet another product and disparate process from your design workflow to generate your fabrication and assembly drawings.

All drawings update to match source data with the push of a button, without any file exchanges.

Want to be at the forefront of PCB design innovation?

Join Subscription - it provides the latest Altium Designer functionality as soon as it's available, so you are always equipped with the most powerful, modern and easy-to use tools.

ABOUT ALTIUM

Altium LLC (ASX: ALU) is a multinational software corporation headquartered in San Diego, California, that focuses on electronics design systems for 3D PCB design and embedded system development. Altium products are found everywhere from world leading electronic design teams to the grassroots electronic design community.

With a unique range of technologies Altium helps organisations and design communities to innovate, collaborate and create connected products while remaining on-time and on-budget. Products provided are ACTIVEBOM®, ActiveRoute®, Altium Designer®, Altium Vault®, Autotrax®, Camtastic®, Ciiva™, CIIVA SMARTPARTS®, CircuitMaker®, CircuitStudio®, Codemaker™, Common Parts Library™, Draftsman®, DXP™, Easytrax®, NanoBoard®, NATIVE 3D™, OCTOMYZE®, Octopart®, P-CAD®, PCBWORKS®, PDN Analyzer™, Protel®, Situs®, SmartParts™ and the TASKING® range of embedded software compilers.

Founded in 1985, Altium has offices worldwide, with US locations in San Diego, Boston and New York City, European locations in Karlsruhe, Amersfoort, Kiev, Munich and Zug and Asia Pacific locations in Shanghai, Tokyo and Sydney. For more information, visit www.altium.com. You can also follow and engage with Altium via [Facebook](#), [Twitter](#), [LinkedIn](#) and [YouTube](#).