

COMPARISON REPORT

ALTIUM DESIGNER 13 vs. ALTIUM DESIGNER 16

The world is changing, and electronics are leading the charge towards the future. At the core of our evolutionary pursuit for progress are engineers and companies like yours driving humanity forward. But do you have the design technology needed to deliver the connected, intelligent and autonomous devices of the future? **Invest in your future with Altium Subscription.**



Invest in Your Skills

Maintain your competitive edge with access to the newest design methodologies and resources.



Invest in Your Company's Success

Deliver the best products to market first at the lowest possible cost and continue to drive your industry forward.



Invest in Your Tools

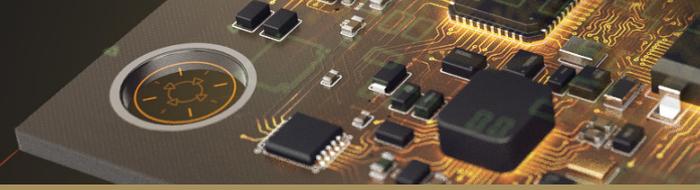
Equip yourself to design the technologies of the future with the latest EDA innovations in Altium Designer.

VERSION FEATURE COMPARISON

Feature Name	What it Does	How It Benefits You	Altium Designer 13	Altium Designer 16
Customizable Schematic Pins	Customize pin names, designator positions, font properties, and colors.	Enhance the readability of components placed on your design with customizable in properties.	✓	✓
Alternative Part Choice System	Select alternative part choices for obsolete or unavailable components.	Have complete control over your component selection process and include pin compatible backup part choices directly in your BOM.	-	✓
Technology-Aware xSignals Wizard	Automatically detect and setup constraints for common high-speed technologies.	Design accurate high-speed board layouts with automatic configuration for DDR3/4 and USB 3.0 class and match length rules.	-	✓
Precise 3D Measurements	Measure all board objects while in 3D view.	Precisely measure your board layout in Native 3D PCB™ and clearly communicate design intent to manufacturing.	-	✓
PCB Design Views	Show specific, detailed views of your PCB for your design documentation.	Clearly communicate design intent for dense board layouts and avoid any delays in your manufacturing process.	✓	✓
3D STEP Model Generation Wizard	Automatically generate 3D STEP models for components.	Create the most realistic, accurate, and data-rich 3D models and get an exact representation of your board in Native 3D PCB™.	-	✓
Net Color Synchronization	Synchronize nets between schematic and PCB layout.	Ensure documentation accuracy and visual color notifications with net color synchronization in a managed ECO.	-	✓
Visual Clearance Boundaries	Visually see clearance boundaries while routing.	Clearly understand the impact of routing decisions in real-time with visual clearances between traces and components.	-	✓
Hole Tolerance Definitions	Add hole tolerances to pads and vias.	Guarantee reliability when manufacturing your PCB by specifying precise hole tolerances in your documentation.	-	✓
Draftsman® Documentation Platform	Create complete fabrication and assembly documentation in Altium Designer.	Easily communicate design intent right the first time with a complete documentation workflow in Altium Designer.	-	✓
Live Drill Drawing Table	Automatically updates drill drawing table as pads and vias are placed/removed on design.	Ensure that your design documentation is updated and error-free for manufacturing before generating your output documentation.	✓	✓

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ActiveBOM	Adds real-time cost estimation and availability for components in BOM.	Efficiently manage costs and ensure the components you select will be available for manufacturing.	✓	✓
Real-Time Licensing Reporting	Manage and track design team's license usage.	Easily optimize your design team's licensing usage with real-time reporting and metrics.		✓
Interactive Net Length Calculations	Visually see net lengths in real-time during routing process.	Precisely tune the lengths of your nets when interactively modifying an existing route.	✓	✓
Enhanced Altium Vault Search Filtering	Locate design data based on grouping and filtering search options.	Save time finding and using your trusted design data with powerful search and filtering options in the Altium Vault.	✓	✓
Drag-and-Drop Vault Design Data	Place components and managed sheets directly from the Altium Content Vault onto your project.	Quickly reuse trusted schematic sheets, board layout templates, and components from the Altium Content Vault in your current design.	✓	✓
Altium Content Vault	Access over 350,000 components with included footprints and 3D models.	Avoid having to waste time recreating everyday components from scratch with access to thousands of ready-to-use parts.	✓	✓
Component Placement System	Automatically align component footprints in the PCB editor.	Design the most organized and efficient board layouts with components that push, avoid, and snap-to alignment with other components.		✓
Offline Design System	Specify internet connectivity preferences for Altium Designer applications.	Remain in complete control of what network data you share with the outside world with connectivity options for licensing, suppliers, and more.		✓
Advanced Component Search	Find components in libraries with customizable query fields and favorites.	Quickly find trusted components for your designs with advanced query options and search favorites.		✓
Advanced Pin Length Definitions	Calculates pin lengths to include internal bond wire.	Accurately route your high-speed design layouts with included pin lengths without having to perform manual calculations.		✓
Microchip® Touch Device Support	Adds support for touch controls including a variety of Microchip® mTouch® devices.	Save time adding capacitive touch technologies to your schematic designs with a variety of Microchip® mTouch® sensor devices.	✓	✓

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 Altium®, Altium Designer®, Altium Vault®, Autotrax®, Camtastic®, CircuitMaker®, CircuitStudio®, Codemaker™, Common Parts Library™, DXP™, Easytrax®, NanoBoard®, Octopart®, PCBWORKS®, P-CAD®, Protel®, Ciiva®, PDN Analyzer™, SmartParts™, ActiveRoute™, Draftsman®, Situs® 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 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 and YouTube.