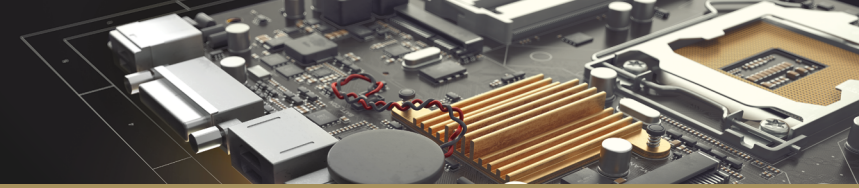


## FEATURE SET SUMMARY

Feature	Description	Altium Designer Viewer	Altium Designer SE	Altium Designer
<b>DXP Platform</b>	Software integration platform with a consistent GUI for all supporting editors and viewers. Design insight for document preview, release management, compiler, file management, version control interface, and scripting engine.	✓ Read Only	✓	✓
<b>Schematic - Viewer</b>	Open, view and print schematic documents and libraries	✓	✓	✓
<b>PCB - Viewer</b>	Open, view and print PCB documents. Additionally view and navigate 3D PCBs.	✓	✓	✓
<b>CAM File - Viewer</b>	Open CAM, manufacturing (Gerber, Drill Drawing, OBD++) and mechanical files.	✓	✓	✓
<b>Schematic - Soft Design Editing</b>	All schematic and schematic library editing capabilities (except in PCB Projects and Free Documents), netlist generation.		✓	✓
<b>Import/Export</b>	Supports import and/or export of designs and library data created in OrCAD®, Allegro®, Expedition®, PADS®, xDx Designer®, Cadstar®, Eagle®, P-CAD®, Protel® and more.		✓	✓
<b>Schematic - Editing</b>	All schematic and schematic library, schematic library documents.		✓	✓
<b>Library Management</b>	Unified library management based on a single data source for all component models and linked data including 3D models, data sheets and supplier links. Single point of contact for version control and external project management systems.	✓ Read Only	✓	✓
<b>Altium Vault support</b>	Ability to read, edit and publish design data to a centralized Altium Vault server. Vault includes support for: component models, pricing and availability data, managed sheets and sub-circuits, complete projects, and fabrication/assembly files.	✓ Read Only	✓	✓
<b>Simulation - Mixed Signal</b>	SPICE 3F5/XSPICE mixed-signal circuit simulation (with PSpice® compatibility).		✓	✓
<b>Signal Integrity - Schematic Level</b>	Pre-layout signal integrity analysis – includes a full analysis engine and uses defaults for PCB parameters.		✓	✓

# ALTIUM DESIGNER 17

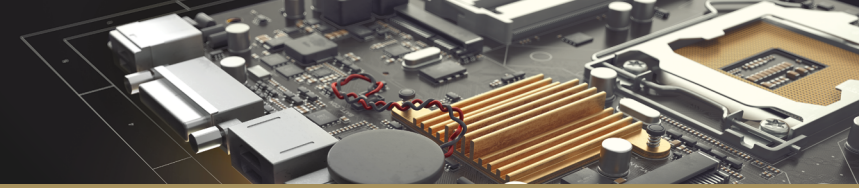
DESIGN WITH PURPOSE, CREATE WITH PASSION



Feature	Description	Altium Designer Viewer	Altium Designer SE	Altium Designer
<b>PCB – Board Definition and Rules</b>	Place/edit objects on mechanical layers, design rules for high-speed design, user-definable layer stack, design transfer from schematic, position components, real-time manufacturing rule checking.		✓	✓
<b>CAM File – Importer (Gerber, ODB++)</b>	Import CAM and mechanical files.	View Only	✓	✓
<b>PCB – Native 3D PCB Viewing and Editing</b>	A realistic and 3D rendered view of the board, includes MCAD-ECAD support with direct linking for STEP models and real-time clearance checking, view configurations for both 2D and 3D, editing of board shape and component models in 3D, 3D measurements for all primitives and texture mapping of 2D/3D PCB models.	View Only		✓
<b>PCB - Layout</b>	High productivity PCB layout editor, support for customizable polygons, board cut-outs, real-time rule checking, design re-use, auto-dimensioning, with intuitive and efficient user interface.	View Only		✓
<b>PCB – Interactive &amp; Guided Routing</b>	Interactive, guided routing (Push and Shove, Hugging and Auto-Complete modes), differential pairs, interactive/ auto placement, pin/part swapping, track glossing, and obstacle avoidance during drag operations.			✓
<b>Advanced Layer Stack Management</b>	The ability to define multiple, complex layer stacks in a single design with different layer stack sections in different regions of the PCB, allowing for embedded components and rigid-flex arrangements.	View Only	View Only	✓
<b>Support for Rigid-Flex Design</b>	Complete system for designing flex and rigid-flex PCBs. The ability to define and characterize multiple PCB bending lines in a design. Full 3D, folded and unfolded viewing and clearance design rule checking. Ability to export folded or partially folded 3D STEP models of a board for MCAD collaboration.	View Only	View Only	✓
<b>Embedded Components</b>	Support for embedding discrete components within the PCB stack up. Embedding components within a PCB can improve reliability, increase performance, and provide significant space and save weight.			✓
<b>Signal Integrity – Layout Level</b>	Post-layout signal integrity analysis supports reflection and crosstalk analysis.			✓
<b>PCB – Manufacturing File Outputs</b>	Multiple output publishing allows the consolidation of multiple outputs into a single media type for better data management. Publish to PDF/A, print or web with a controlled view of a project's history and dependencies. Generate Gerber, NC Drill, ODB++, 3D video animations, and STEP files.			✓
<b>Draftsman® Documentation Tool</b>	Create complete documentation for fabrication and assembly in your design workspace. Includes linked PCB design and documentation data, customizable templates, intuitive markup tools, and customizable drawing views.			✓

# ALTIUM DESIGNER 17

DESIGN WITH PURPOSE, CREATE WITH PASSION



Feature	Beschreibung	Altium Designer Viewer	Altium Designer SE	Altium Designer
<b>CAM File – Editor (Gerber, ODB++)</b>	Panelize, NC route definition, DRC, export CAM and mechanical files, Netlist extraction, import and reverse-engineering.			✓

## LICENSING OPTIONS

Altium Designer License Options	Schematic	Simulation	FPGA Design	PCB Design	Key Benefits
<b>Altium Designer 17</b>	✓	✓	✓	✓	<ul style="list-style-type: none"><li>• Full PCB design and manufacturing capabilities.</li><li>• Complete front-end engineering system for both PCB and programmable logic design.</li><li>• Native 3D PCB design and editing capabilities.</li></ul>
<b>Altium Designer SE (System Engineering)</b>	✓	✓	✓		<ul style="list-style-type: none"><li>• Complete front-end schematic design for both board-level and programmable logic design.</li><li>• Analog and digital simulation.</li><li>• System-on-FPGA implementation.</li></ul>
<b>Altium Designer Viewer</b>	✓ Read Only	✓ Read Only	✓ Read Only	✓ Read Only	<ul style="list-style-type: none"><li>• Quick, easy and secure read-only exploration of Altium Designer projects and documents</li><li>• Cross-Probe and Highlight capabilities for Engineering Design Review.</li></ul>

## 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 Designer®, Altium Vault®, CircuitStudio®, PCBWorks®, CircuitMaker®, Octopart®, Ciiva™ 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](http://www.altium.com). You can also follow and engage with Altium via [Facebook](#), [Twitter](#) and [YouTube](#).