Module	Feature	ZWCAD 2026 (Std)	BricsCAD V25 (Lite)	ZWCAD 2026 (Pro)	BricsCAD V25 (Pro)	**Notes** ○: Supported ×: Not Supported ↑: Better ↓: Slightly Worse
Installation and Deployment	Multi-Platform Support	↓	↑	↓	↑	ZWCAD: Windows, Linux BricsCAD: Windows, Linux, Mac
	Multi-Language Versions	○	○	○	○	ZWCAD: 15 languages (includes Turkish) BricsCAD: 17 languages (includes Lithuanian, Romanian, Vietnamese)
	Custom Configuration Migration	○	○	○	○	
	Online Updates	○	○	○	○	
	Software/Dongle Encryption	↑	↓	↑	↓	BricsCAD: No hardware encryption support
	QR Code Activation	○	×	○	×	
File Management	Open/Save Files	○	○	○	○	
	Incremental Save	○	○	○	○	
	Open DWF/DWFX Files	○	×	○	×	BricsCAD: Cannot directly open DWF/DWFX files
	Auto-Save	○	○	○	○	
	Audit & Repair	○	○	○	○	
	Drawing Cleanup	○	○	○	○	
Drawing Viewing	2D Object Display	↑	↓	↑	↓	Standard/Pro: Display Performance – ZWCAD provides smoother rendering of diagonal and arc lines with no jagged edges. BricsCAD displays noticeable jagged edges.
	3D Object Display	○	○	○	○	
	Perspective View	○	○	○	○	
	Fly/Walk/Orbit	○	×	○	×	
	Smooth Line Display	○	×	○	×	

	Views and Viewports	○	○	○	○	
	Inquiry and Measurement	○	○	○	○	
	3D Dynamic Viewing	↑	↓	↑	↓	
	Visual Styles	↓	↑	↓	↑	
	Rendering	×	×	↓	↑	
	Viewport Adjustment	○	○	○	○	
	Hardware Acceleration	↑	×	↑	×	Standard/Pro: Display Performance – ZWCAD utilizes hardware acceleration and parallel graphics rendering technology. On systems with dual graphics cards, it better leverages high-performance GPUs to improve display efficiency.
Drawing Environment Settings	Units	○	○	○	○	
	Object Properties & Styles	○	○	○	○	
	Coordinates and Coordinate Systems	↑	↓	↑	↓	Standard/Pro: Feature Completeness – ZWCAD allows users to customize the display style of the coordinate system, including 2D/3D styles, icon size, and color, better meeting personalized user needs.
	System Variables	↑	↓	↑	↓	Standard/Pro: Ease of Use – ZWCAD provides six AutoLISP inquiry functions such as getenv, getvar, setenv, and setvar, which allow checking and modifying OS environment variables, ZWCAD environment variables, or system variables. This makes it more convenient for developers to troubleshoot and maintain programs.
	Layer State Manager	○	○	○	○	

	Layer Converter	○	○	○	○	
	Layer Browser	○	○	○	○	
	CAD Standards	↑	↓	↑	↓	Standard/Pro: Feature Completeness – ZWCAD includes standard inspection for multileaders.
	Lineweight Settings	○	○	○	○	
	Linetype Settings	↑	↓	↑	↓	Standard/Pro: Feature Completeness – In ZWCAD, users can preset the global scale factor and scaling ratio when defining linetypes. BricsCAD does not offer this setting.
	Color Controller	○	○	○	○	
2D Drafting	2D Drawing Tools	↑	↓	↑	↓	Standard/Pro: 1)Feature Completeness – ZWCAD supports more methods for creating graphics: -Supports creation of concentric rectangles and concentric circles -Supports spline creation using control points -Supports generating region covers from selected circle objects 2）Ease of Use - ZWCAD offers better usability for graphic editing than BricsCAD: -Supports grip point context menus -Allows direct stretching of arcs and elliptical arcs via grip points 3）New Feature Scenario – ZWCAD supports creating boundaries of the Region type.

	Revision Cloud	↑	↓	↑	↓	Standard/Pro: Feature Completeness – ZWCAD supports creating revision clouds in various shapes such as circles and ellipses.
	Hatch	↑	↓	↑	↓	Standard/Pro: 1）Accuracy – ZWCAD offers higher accuracy in hatching complex boundary areas compared to BricsCAD. 2）Display Quality – The display quality of solid fills and pattern hatches is better in ZWCAD than in BricsCAD. 3）Ease of Use – ZWCAD supports Ribbon context menu interaction, making the hatch creation process simpler and more efficient than in BricsCAD.
	Super Hatch	○	○	○	○	
	Draw Bisector of Angle	×	×	○	×	New feature scenario
	Generate Complementary Arc	○	○	○	○	Standard: Feature Completeness – In BricsCAD, arc complementary creation is limited to the CIRCLE command branch and only supports branch merging. ZWCAD supports deleting, merging, and retaining branches, offering more flexibility.
	Text	○	○	○	○	Standard: Ease of Use - The use of the Ribbon panel in ZWCAD not only makes the interface more visually appealing but also reduces the number of mouse clicks required by the user.
	Field	↓	↑	↓	↑	
	Arc-Aligned Text	↓	↑	↓	↑	
	Convert Text to Polyline	○	○	○	○	

	Table	○	○	○	○	
	Area Table	○	○	○	○	
	General Editing	↑	↓	↑	↓	Standard/Pro: 1)Ease of Use: ZWCAD offers superior usability in common graphic editing functions compared to BricsCAD. For instance: -UNDO/REDO: Supports a history list, allowing users to navigate to specific previous steps using the MREDO command . -TRIM/EXTEND: Supports lasso selection, enhancing precision and efficiency during editing . -Associative Arrays: Supports grip editing, previewing edits to array sources, graying out non-array sources, and editing arrays through the context panel . 2)New Feature Scenarios: ZWCAD introduces several new features to improve editing efficiency, including: -Enhanced Trim -Linetype Scale Modification -Linetype between Continuous and Dashed -Enhanced Zoom -Join Lines

	Object Cloning	↑	↓	↑	↓	Standard/Pro: 1) Feature Completeness - ZWCAD provides a "Copy-Paste Settings" dialog that allows users to specify the format types of objects saved to the clipboard, including ZWCAD Drawing objects, metafiles, bitmaps, etc. Additionally, it enables users to set the paste range and paste color when pasting objects from the clipboard. 2) Accuracy - When copying and pasting into office software (like Word), ZWCAD ensures that objects are displayed correctly without extra borders when using CTRL+V. In contrast, BricsCAD may not display the pasted content completely and often includes unnecessary borders.
	Dimensioning	↑	↓	↑	↓	Standard/Pro: 1)Feature Completeness - ZWCAD supports multi-line text in dimension annotations. 2)Ease of Use - ZWCAD offers superior usability in dimensioning compared to BricsCAD. Key advantages include: -Provides quick access to editing options directly on the drawing. -Offers relevant commands for dimension objects, streamlining the editing process.
	Enhanced Ordinate Dimension	○	×	○	×	New Feature Scenario – Not Available in BricsCAD
	Size Drive	○	×	○	×	New Feature Scenario – Not Available in BricsCAD
	Annotative Objects	○	○	○	○	

	Leaders & Multileaders	↑	↓	↑	↓	Standard/Pro: Ease of Use - ZWCAD offers superior usability in dimensioning compared to BricsCAD. Key advantages include: -ZWCAD supports graphical grip point hover menus and right-click annotation menus. -ZWCAD's preview when deleting a leader allows for precise targeting of a specific leader. In BricsCAD, when previewing annotation alignment, the original annotation position is displayed simultaneously, making it difficult to observe.
	Merge Leaders	○	○	○	○	
	Block	↓	↑	↓	↑	Pro: 1)Feature Completeness: Block Break (blockbreak) Block Align (blockalign) 2)Ease of Use: Quickly modify block attributes such as: Base point (changebase),Text height within the block (chgbhei),Text angle (chgbang),Block color (chgbcol),Layer (chgblay),Line width (chgbwid)
	Block Attribute Manager	○	○	○	○	
	Batch Modify Attribute Values	↑	↓	↑	↓	Standard/Pro: Ease of Use - ZWCAD supports both UI panel interaction and command line input, while BricsCAD only supports command line input.
	Explode Attributes to Text	○	○	○	○	
	Block Breakline	○	×	○	×	
	Block Replacement	○	○	○	○	

	FlexiBlock (Dynamic Blocks)	↑	↓	↑	↓	Pro: Feature Completeness: -Supports array action parameters in block editing. -Fully supports conversion and editing of all types of dynamic blocks. In BricsCAD, some dynamic blocks (e.g., those with stretch actions) fail to convert properly during block editing and cannot be edited.
	Parametric	○	×	○	○	
	Group	○	○	○	○	
	Model & Layout	○	○	○	○	
	QR Code & Barcode	×	×	○	×	New Feature Scenario – Not Available in BricsCAD
	Change Z Value of Coordinate to 0	○	×	○	×	
	Check Segment Connection	×	×	○	×	New Feature Scenario – Not Available in BricsCAD
	CenterLine	○	×	○	×	
	CenterMark	○	×	○	×	
Assisted Drawing Tools	Object Snap	○	○	○	○	
	Dynamic Input	↑	↓	↑	↓	Pro: Ease of Use - BricsCAD does not support pointer input or dynamic command step prompts at the cursor (prompts are only shown in the command line), making its interaction less convenient compared to ZWCAD.
	Grid	○	○	○	○	
	Polar Tracking	○	○	○	○	
	Selection Cycling	○	○	○	○	
	Symmetrical Drawing	○	×	○	×	

	Calculation	↑	↓	↑	↓	Pro: -Ease of Use: ZWCAD offers text calculation functionality, allowing users to extract data from two different text objects, perform calculations, and output the result as a new text. ZWCAD supports a wider range of calculation scenarios.
	ZWCAD Toolbox	○	×	○	×	
	Smart Match	×	×	↑	↓	BricsCAD does not support matching objects of different scales, does not support selective matching, and does not support counting matches and creating tables.
	Similar Search	×	×	○	×	
3D	3D Modeling	×	×	↓	↑	
	3D Object Editing	○	○	↓	↑	
	Drawing View	×	×	↓	↑	
	Mesh	×	○	↓	↑	
User Interface	Workspaces	↑	↓	↑	↓	Standard/Pro: 1)Feature Completeness - ZWCAD supports slide-out panels, option panel stacking, and auto-hide features. It also introduces a navigation indicator, providing a more convenient way to drag and dock panels. Users can flexibly show or hide panels as needed, saving drawing space while making it easier to switch and operate between different panels. 2)Ease of Use - BricsCAD offers relatively limited flexibility in ribbon customization, with fewer adjustable options and methods. It cannot achieve complex layout adjustments as easily as ZWCAD.

	Floating Document Tab	↑	↓	↑	↓	Standard/Pro: Feature Completeness - ZWCAD supports dragging document windows out of the main program into a floating state, making it convenient for users to perform reference design in a multi-monitor environment.
	Viewport Controls	○	×	○	×	
	ViewCube	×	○	↑	↓	
	Options Manager	↑	↓	↑	↓	Standard/Pro: 1)Ease of Use - ZWCAD allows customization of print stamp fields, enabling inclusion of more detailed print information. It also supports editing the current configuration and importing/exporting settings. In contrast, BricsCAD configurations are read-only. 2)Feature Completeness - ZWCAD supports connecting to cloud servers and saving files directly to the server.
	Properties Palette	↑	↓	↑	↓	Standard/Pro: Ease of Use - ZWCAD allows users to control whether the UCS icon is displayed in views and to customize its position, providing a more convenient and faster way to manage display content in the drawing area.
	Quick Properties	○	○	○	○	
	Tool Palettes	↑	↓	↑	↓	Standard/Pro: Ease of Use - ZWCAD supports dragging command objects to the tool palette while retaining the current tool's style settings.
	Design Center	○	×	○	×	

	Quick Calculator	↑	↓	↑	↓	Standard/Pro: Feature Completeness - Compared to BricsCAD, ZWCAD's calculator includes text calculation functionality. It allows data extraction from multiple text objects, performs calculations, and stores the result as a new text object.
User Interaction	Quick Select	○	○	○	○	
	Lasso Selection	○	○	○	○	
	Enhanced Selection	○	×	○	×	
	Similar Select	○	○	○	○	
	Graphic Search & Location	○	○	○	○	
	Invert Selection	○	○	○	○	
	Shortcuts	○	○	○	○	
	Command Matching	○	○	○	○	
	3D Mouse	○	○	○	○	
	3D Gizmos	×	×	↓	↑	
	Smart Mouse	○	×	○	×	
Data Exchange	PDF Import/Export	○	○	○	○	
	Batch PDF Import	○	○	○	○	
	IFC Import	×	×	↓	↑	
	STEP Import	×	×	○	×	
	DGN Import/Export	○	○	○	○	Pro: Feature Completeness - ZWCAD supports attaching DGN reference underlays.
	SXF Import/Export	○	×	○	×	
	DWF Attachment	○	×	○	×	
	External References	↑	↓	↑	↓	Pro: Feature Completeness - ZWCAD supports attaching both DWF and DGN reference underlays.

	Raster Images	○	○	○	○	Standard/Pro: Ease of Use - ZWCAD includes image preview in the dialog box and supports exporting to JPG format.
	Image Cache Tools	○	×	○	×	
	OLE Objects	○	○	○	○	
	OLE Conversion Tools	○	×	○	×	
	GeoTiff Support	×	○	↑	↓	Pro: ZWCAD supports spatial coordinate systems.
	Hyperlinks	○	○	○	○	
	Export Table to Excel	○	×	○	×	
Collaboration	Sheet Sets	○	○	○	○	
	eTransmit	○	○	○	○	
	Digital Signatures	○	○	○	○	
	File Compare	○	○	○	○	
	Smart Voice	○	×	○	×	ZWCAD: Supports smart voice creation, allowing designers to communicate and share information through voice messages during collaboration. BricsCAD: Does not support smart voice.
Plot & Publish	Plot & Publish	○	○	○	○	
	Smart Plot	○	×	○	×	
	Automatic Layout Drawing	○	×	○	×	
Customization	LISP Development	○	○	○	○	
	C++ Development	×	○	○	○	
	.NET Development	×	○	○	○	
	VBA Development	×	○	○	○	
	Run SCR Scripts	○	○	○	○	
	FAS/VLX Support	○	×	○	×	BricsCAD: Does not support loading FAS/VLX format Lisp binary files.

Industry Tools	Point Cloud	×	×	↓	↑	Pro: 1)Functionality of ZWCAD - Supports attaching point cloud by geographic location (new in 2026). - Section types support slicing. - Section line extraction functionality. 2)Display Quality -Allows setting level of detail for improved point cloud visualization. 3)Ease of Use: -Displays point cloud information and preview during attachment. -Includes contextual section tab for easier section operations.
	Geographic Services	×	○	↑	↓	Pro: 1)Functionality of ZWCAD: -Supports coordinate system conversion. -Supports linking to WMTS map services. -Enables location marking. 2)Ease of Use: Ribbon interface, map link panel, and map content panel make operations more convenient.
	Raster Image Vectorization	×	×	○	×	Pro: Functionality of ZWCAD: -Supports converting images into CAD drawings. -Allows editing and modification of the converted drawings.