

# DoubleCAD™ Detailed Feature Comparison

DoubleCAD™ XT Pro v2

DoubleCAD™ XT v2

INPUT	DoubleCAD™ XT Pro v2	DoubleCAD™ XT v2
Command Line Input	✓	✓
Dynamic Input for values of the selected tool	✓	✓
Dynamic Input Prompts	✓	✓
Use of variables and formulas (Variable palette)	✓	✓
Inspector Bar Data Input	✓	✓
Autoworkplane by facet	✓	✓
<b>2D DRAWING TOOLS</b>		
Arcs	✓	✓
Bezier curve	✓	✓
Circles	✓	✓
Construction Lines	✓	✓
Double Lines	✓	✓
Double line Parallel	✓	
Double line Perpendicular	✓	
Ellipses	✓	✓
Elliptical Arc	✓	✓
Gear generator	✓	
Irregular Polygon	✓	✓
Lines	✓	✓
Lines - bisector	✓	✓
Line - shortest between two objects	✓	✓
Multilines	✓	✓
Multiline Parallel	✓	
Multiline Perpendicular	✓	
Parallel Lines	✓	✓
Perpendicular Lines	✓	✓
Points	✓	✓
Polygon (equal length sides)	✓	✓
Polyline	✓	✓
Polyline, Chain-polyline	✓	✓
Regions	✓	
Revision Cloud	✓	✓
Spline curve (by fit points, or by control points)	✓	✓
<b>2D EDITING / MODIFYING TOOLS</b>		
Alignment - Top, Bottom, Left, Right, Center, Along Line	✓	✓
Arc component	✓	✓
Array copy	✓	✓
Boolean Add, Subtract and Intersect	✓	✓
Break	✓	✓
Chain polyline	✓	
Chamfer (3 different tools)	✓	✓
Edit Tool - Edit segment	✓	✓
Extend	✓	✓
Fillet	✓	✓
In-Place Text Editing	✓	✓
Insert +/- tolerancing symbols into multi-text	✓	✓
Join polyline	✓	✓
Lengthen	✓	✓
Mirror copy	✓	✓
Meet two lines	✓	✓
Move Curve points	✓	✓
Multiple Object Extend	✓	✓
Offset	✓	✓
Rotate	✓	✓
Selection Fence	✓	✓
Shrink/Extend Line	✓	✓
Stretch objects	✓	✓
T-Meet Double Line	✓	✓
Trim	✓	✓
Vector copy - distance and angle	✓	✓
X Meet Double Lines	✓	✓

<b>ACA (ADT) COMPATIBLE ARCHITECTURAL TOOLS</b>		
Convert Lines, Arcs, Double Lines, and Polylines to Wall	✓	
Wall-Self Healing	✓	✓
Wall Dimension Tool	✓	
Join/Split/Modify Walls	✓	
Doors - Parametric	✓	
Windows - Parametric	✓	
Door and Window Schedule	✓	
Roofs	✓	
Slabs	✓	
Stairs - Parametric	✓	
Rails - Parametric	✓	
Terrain Tool	✓	
Door Styles	✓	
Window Styles	✓	
Stair Styles	✓	
Rail Styles	✓	
Profile Styles	✓	
AEC Dimension Styles	✓	
Schedule Styles	✓	
AEC Text Styles	✓	
Style Manager	✓	
Read/Write of DWG Files with AutoCAD Architecture Extensions (R14 - 2009)	✓	✓
<b>CONSTRAINTS AND TOLERANCES</b>		
Geometric Constraints	✓	
Dimensional Constraints	✓	
Pattern Constraints - array based	✓	
Driving Dimensions	✓	
Use Variables and Formulas to Control Geometry	✓	
Auto Constrain Existing Drawings	✓	
Auto Constrain as you Draw	✓	
<b>LAYERS</b>		
Create Custom Layer Sets	✓	✓
Layer Properties Manager	✓	✓
Lock/Unlock	✓	✓
Set Color, Line type, Line weight, Name	✓	✓
Layer filters, layer templates, layer sets	✓	
<b>BLOCKS AND SYMBOLS</b>		
2D and 3D Symbols	✓	✓
Block Editor	✓	✓
Constraints in Blocks	✓	
Specify Block Insertion Point	✓	✓
Surface Roughness Symbol	✓	
Weld Symbol	✓	
Geometric Tolerance tool	✓	
Markers	✓	
Use or update existing Xrefs	✓	✓
Bind an Xref and explode geometry	✓	
Create XREFs from 2CD, 3DS, DWG, OBJ, SKP, IGES, SAT, and more	✓	
<b>PAPER SPACE LAYOUT</b>		
Create Named Viewports, Insert into Paper Space	✓	✓
Multiple paper spaces and layouts	✓	✓
User definable shapes for viewports	✓	✓
Drafting Palette for Auto-Generation of Associative Standard Views	✓	
Caching of drafting palette objects	✓	
Associative Viewports of ACIS sections (including XREFs)	✓	
Associative Viewports of Surfaces and Sections (including XREFs)	✓	
Caching of Viewports	✓	✓
Explodable Viewports create 2D geometry	✓	

<b>DIMENSIONS</b>		
Associative	✓	✓
Non-associative	✓	✓
Angular dimension for arc	✓	✓
Baseline	✓	✓
Continuous	✓	✓
Datum	✓	✓
Fractional	✓	✓
Incremental	✓	✓
Leader	✓	✓
Orthogonal	✓	✓
Parallel	✓	✓
Quick	✓	✓
Rotated	✓	✓
Smart	✓	✓
Set Tolerances to Dimensions	✓	✓
Surveyor Linear and Angle Dimension	✓	
AEC Styles	✓	
User Defined Styles	✓	✓
<b>HATCHING AND FILLS</b>		
ANSI Hatch Patterns	✓	✓
Associative	✓	✓
Bitmap Hatch Pattern support	✓	✓
Brush Style Editor (create hatches, fills, brushes...)	✓	✓
Hatch Pattern Editor tool	✓	
Calculate Hatch Areas	✓	✓
Edit Hatch Boundaries	✓	✓
Gradient Fills	✓	✓
Hatch Patterns	76	76
Imperial Hatch patterns	✓	
Island Detection	✓	✓
ISO Hatch Patterns	✓	
Layered Hatch, Bitmap, and Gradient Patterns	✓	✓
Path Hatching	✓	✓
Pick Point Hatching	✓	✓
Transparency in Hatch Patterns	✓	✓
<b>INSERTING OBJECTS</b>		
Blocks	✓	✓
Files	✓	✓
Hyperlink	✓	✓
OLE Objects	✓	✓
Raster Images	✓	✓
<b>SNAPS</b>		
Apparent Intersection	✓	✓
Center	✓	✓
Center of Extents	✓	✓
Divide Point	✓	✓
Extended Ortho	✓	✓
Geometric	✓	✓
Grid	✓	✓
Intersection	✓	✓
Mid-Point	✓	✓
Nearest on Graphic	✓	✓
Orthogonal Projections	✓	✓
Quadrant	✓	✓
Tangent	✓	✓
Vertex	✓	✓
Customizable Snap Prioritization	✓	✓

3D DRAWING AND EDITING		
3D Architectural Objects	✓	
Thickness	✓	
3D Views	✓	✓
RENDERING AND VISUALIZATION		
Full-color Shading	✓	
Alpha Channel support on PNG and GIF file exports	✓	✓
Color Transparency	✓	✓
Open GL rendering	✓	
True Color Support	✓	✓
Hidden line rendering	✓	✓
Perspective view	✓	✓
2D AND 3D MEASUREMENTS		
Angle	✓	✓
Area	✓	✓
Volume	✓	
Surface Area	✓	
Calculate Hatch Areas	✓	✓
Coordinates	✓	✓
Distance	✓	✓
Extract Data from Objects (Including Blocks and Attributes)	✓	✓
POWER TOOLS		
Visual Drawing Compare plug-in	✓	
Raster to Vector tracing Utilities	✓	
Internal Database Support & Utilities	✓	
Transform Tools	✓	
Transform Recorder	✓	
DoubleCAD Explorer Internet Palette	✓	✓
Parametric Part Manager - wizard based creation of 3D parts	✓	
Parametric Part Manager - scripted 3D parts	✓	
Parametric Symbols & Sample Content	✓	
Table Tool	✓	✓
Extended Picture Support	✓	
Extended Printing Capabilities	✓	
CTB Print Style support	✓	✓
STB Print Style support	✓	✓
Batch File Conversion tool	✓	
Software Developers' Kit support	✓	
GENERAL EDITING TOOLS, OTHER		
Coordinate Systems - Absolute, Polar, Relative	✓	✓
Copy	✓	✓
Explode	✓	✓
Group	✓	✓
Format Painter	✓	✓
Group/Block Editors	✓	✓
Multiple UNDO/REDO	✓	✓
One step back undo for multi-step tools	✓	✓
MultiText	✓	✓
Page Setup Manager	✓	✓
Spell Checker	✓	✓
Table Styles	✓	
Zooms	✓	✓

UI CUSTOMIZATION AND PRIORITIZATION		
Command Line Aliases	✓	✓
Command List Filter	✓	✓
Coordinate System Support	✓	✓
Cursor Shape	✓	✓
Customizable User Interface, Including Toolbars and Menus	✓	✓
Lockable Toolbars and Palettes	✓	✓
Movable, Dockable Toolbars and Palettes	✓	✓
Shortcut Keys	✓	✓
Variable Aperture Size for Cursor	✓	✓
DOCUMENTATION, ONLINE HELP, SUPPORT		
Context-sensitive Help	✓	✓
Electronic User Guide	✓	✓
Searchable, Indexed Help	✓	✓
Free Web, forum-based support	✓	✓
Free Premium Email support	✓	
Free Premium Telephone Support	✓	
INTEROPERABILITY		
<b>File Open</b>		
2CD (DoubleCAD Drawing File)	✓	✓
2CT (DoubleCAD Template)	✓	✓
3DV - VRML Worlds	✓	
3DS - 3D Studio Max	✓	
3DM - Rhinoceros	✓	
CGM - Computer Graphics Metafile	✓	✓
DC, DCD - DesignCAD	✓	
DGN - Intergraph, Bentley Microstation	✓	
DWF - Autodesk Drawing Web format (edit and convert)	✓	✓
DWG - AutoCAD native format (R14 - 2009)	✓	✓
DXF - Drawing Exchange format	✓	✓
EPS - Encapsulated PostScript	✓	
FCD, FCW - FastCAD DOS, Windows	✓	
FP3 - Floor Plan 3.0	✓	
GEO - VRML Worlds	✓	
IGS - IGES Drawing	✓	
MTX - Metastream	✓	
OBJ - Wavefront/Alias	✓	
PLT - HP Graphics Language	✓	✓
SAT - ACIS	✓	
SKP - SketchUp (Versions 6 and 7)	✓	✓
STL - Stereo Lithography	✓	
TCW - TurboCAD native format	✓	
TXT, XYZ - Terrain data (import function)	✓	
WMF - Windows Meta File	✓	✓
WRL, WRZ - VRML Worlds	✓	

<b>Image Import</b>		
bmp, dib, wmf	✓	✓
jpg, png, tif, pcx, ico, tga	✓	
<b>File Save, Vector</b>		
2CD (DoubleCAD Drawing File)	✓	✓
2CT (DoubleCAD Template)	✓	✓
3DS - 3D Studio Max	✓	
3DM - Rhinoceros	✓	
CGM - Computer Graphics Metafile	✓	✓
DAE - COLLADA	✓	
DGN - Intergraph, Microstation	✓	
DWF - AutoDesk Drawing Web format	✓	✓
DWG - AutoCAD native format (R14 - 2009)	✓	✓
DXF - Drawing Exchange format	✓	✓
EPS - Encapsulated PostScript	✓	
IGS - IGES Drawing	✓	
MTX - Metastream	✓	
OBJ - Wavefront/Alias	✓	
PDF - Adobe Page Description format	✓	
PLT - HP Graphics Language	✓	✓
SAT - ACIS	✓	
SHX - Shape file format	✓	
STL - Stereo Lithography	✓	
SVG - Scaled Vector graphics	✓	
TCW - TurboCAD native format	✓	
WMF - Windows Meta File	✓	
WRL, WRZ - VRML Worlds	✓	
XLS - Microsoft Excel	✓	
<b>File Save, Raster</b>		
BMP	✓	✓
GIF	✓	✓
JPG	✓	✓
PNG	✓	✓