

GstarCAD vs AutoCAD® | COMPARISON

COMPARE THE GSTARCAD 2024 WITH AUTOCAD® 2024 AND AUTOCAD® LT 2024.

REMARKS

This table is for reference only.

Empty space means functionally not supported.

The package that contains LT version does not support BEDIT.

Table comparison updated on Aug 1st, 2023

FILES	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
Purge	✓	✓	✓	✓
Etransmit	✓	✓	✓	✓
Sheet Set Manager	✓	✓	✓	✓
CAD Standard .dws	✓	✓	✓	
DWF Underlay	✓	✓	✓	✓
PDF Underlay	✓	✓	✓	✓
DGN Import and Underlay	✓	✓	✓	✓
DWG Convert	✓	✓	✓	✓
Import to WMF, SAT, 3DS, DWF, DWFX, DGN, PDF	✓	✓	✓	✓
Export to DWG, DWF, DWFX, WMF, EMF. SAT, STL, EPS, DXX, BMP,SVG	✓	✓	✓	✓
Plot and Publish to PDF	✓	✓	✓	✓
Publish to DWF 2D & 3D	✓	✓	✓	✓
Collaboration	✓	✓	Different	Different
IFC format	✓	✓		
Single-document Mode	✓	✓	✓	✓

Digital Signature	✓	✓	✓	✓
Batch Digital Signing Tool	✓	✓	✓	✓
Reset Settings to Default.	✓	✓	✓	✓
DWF Import	✓	✓		
Mark Up			✓	✓
STEP / IGES Files	✓		✓	
INTERFACE	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
Quick Properties	✓	✓	✓	✓
Block Palette			✓	✓
Dark Theme	✓	✓	✓	✓
Hidden Message Settings	✓	✓	✓	✓
WorkSpace command	✓	✓	✓	✓
CUI Menus and Toolbars	✓	✓	✓	
CUI Import & Export	✓	✓	✓	✓
Drag and Drop Customization	✓	✓		
Visual Menu Customization	✓	✓	✓	✓
Ribbon/Classic	✓	✓	✓	✓
Properties Palettes	✓	✓	✓	✓
Design Center/Tool Palette/Xref Palette	✓	✓	✓	✓
Command Line	✓	✓	✓	✓
Clean Screen	✓	✓	✓	✓
Dynamic Input and Auto Complete	✓	✓	✓	✓

Clickable Command Line Options			✓	✓
File Tab	✓	✓	✓	✓
Floating Windows			✓	✓
SELECTION, SNAP & TRACK	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
Navigation Cube	✓	✓	✓	✓
SELECTIONCYCLING	✓	✓	✓	✓
Right-Click + Drag Method	✓	✓	✓	✓
Selection Preview	✓	✓	✓	✓
Selection Effect Customization			✓	✓
Quick Select	✓	✓	✓	✓
Select Similar	✓	✓	✓	✓
Multifunctional Grips	✓	✓	✓	✓
Osnap	✓	✓	✓	✓
Grid and Snap	✓	✓	✓	✓
Polar Track	✓	✓	✓	✓
Distance from Endpoint and Divide Segments	✓	✓		
Group	✓	✓	✓	✓
ADDSELECTED command	✓	✓	✓	✓
Multiple command	✓	✓	✓	✓

DIMENSIONS	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
DIMCENTER Command	✓	✓	Partially	Partially
Reassociate Dimension	✓	✓	✓	✓
DIMTOFFSET	✓	✓		
Quick Measure	Rapid Distance	Rapid Distance	✓	✓
Standard Dimensions	✓	✓	✓	✓
Associative Dimension	✓	✓	✓	✓
Quick Dimension	✓	✓	✓	✓
Qleader	✓	✓	✓	✓
Dimension Break	✓	✓	✓	✓
Multileaders	✓	✓	✓	✓
Smart Dimensioning			✓	✓
Dynamic Dimensioning	✓	✓	✓	✓
TEXT	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
Text Align / Text Match	✓	✓	Text Align	Text Align
Change Text	✓	✓		
Mtext	✓	✓	✓	✓
Mtext Superscript and Subscripts	✓	✓	✓	✓
Text	✓	✓	✓	✓
Multi-language Character Set	✓	✓	✓	✓
In-place Text Editor	✓	✓	✓	✓
Mtext Editor	✓	✓	✓	✓
Support .shx and .ttf font	✓	✓	✓	✓

Spelling	✓	✓	✓	✓
Check spelling in Mtext	✓	✓	✓	✓
Field	✓	✓	✓	✓
Revcloud	✓	✓	✓	✓
Wipeout Circle and Arc Options	✓	✓		
Text Incremental Copy	✓	✓		
Automatic Text Numbering	✓	✓	✓	✓
Text on line	✓	✓		
Statistics Summation	✓	✓		
LAYERS	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
Auto Layer	✓	✓		
Change to ByLayer (SETBYLAYER)	✓	✓	✓	✓
Layer Properties Manager	✓	✓	✓	✓
Layer States Manager	✓	✓	✓	✓
Layer Translator	✓	✓	✓	
Layer Walk	✓	✓	✓	✓
Layer Previous	✓	✓	✓	✓
Layer Isolate	✓	✓	✓	✓
Layer Unisolate	✓	✓	✓	✓
Layer Lock	✓	✓	✓	✓
Layer Unlock	✓	✓	✓	✓
Layer Unlock All	✓	✓		
Lock Other Layers	✓	✓		

Layer Freeze	✓	✓	✓	✓
Freeze Other Layer	✓	✓		
Thaw All Layers	✓	✓	✓	✓
Layer Off	✓	✓	✓	✓
Off Other Layer	✓	✓		
Turn All Layers On	✓	✓	✓	✓
Layer Merge	✓	✓	✓	✓
Layer Delete	✓	✓	✓	✓
Layer Match	✓	✓	✓	✓
Viewport Layer	✓	✓	✓	✓
HATCH	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
Hatch objects from Tool Palettes	✓	✓	✓	✓
Gradient Hatches	✓	✓	✓	✓
Custom Patterns	✓	✓	✓	✓
Background and Color for Hatch Patterns	✓	✓	✓	✓
Trim/Extend of/to Hatch Pattern Entities	✓	✓	✓	✓
Superhatch	✓	✓	✓	
Transparency for Hatch	✓	✓	✓	✓
Trim/Extend/Hatch preview	✓	✓	✓	✓
RASTER IMAGES	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
Raster Image Support (Clipping, Transparency, ...)	✓	✓	✓	✓
Support Kinds of Image Files (bmp\jpg\png\tga\tif\gif\pcx\ecw\...)	✓	✓	✓	✓
EXPRESS TOOLS	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT

Lockup Command	✓	✓		
Layout Merge	✓	✓	✓	✓
Synchronize Viewports	✓	✓	✓	✓
Breakpoint Check (CLOSELINE)	✓	✓		
Fast Select (FASTSEL)	✓	✓	✓	✓
Change Base	✓	✓		
Layer Draw Order	✓	✓		
Stat, Blocks Number	✓	✓	Count Command	Count Command
Area Table	✓	✓		
Break Object	✓	✓		
Block Break	✓	✓		
Graphic Compare	✓	✓		
Batpurge	✓	✓		
Layout by Path	✓	✓	Array path	Array path
Line2pl	✓	✓		
Sptpl	✓	✓		
GstarCAD Tools	✓	✓		
Plot tools	✓	✓		
Drawing Compare	✓	✓	DWG COMPARE	DWG COMPARE
Delete Duplicate Objects (OVERKILL)	✓	✓	✓	✓
Block Replace	✓	✓	✓	✓

OTHERS	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
Region	✓		✓	✓
Make Shape	✓	✓	✓	✓
Import Layout as Sheet	✓	✓	✓	✓
Viewport Scale	✓	✓	✓	✓
VPMAX / VPMIN	✓	✓	✓	✓
Attribute Increment	✓	✓		
Define Layout Viewport from ModelSpace (M2LVPORT)	✓	✓		
Security	✓	✓	✓	
Free Scale	✓	✓		
Hatch to Back	✓	✓	✓	✓
Reverse	✓	✓	✓	✓
Synchronize Attributes	✓	✓	✓	✓
Clip	✓	✓	✓	✓
Array Options	✓	✓	✓	✓
Align Tool / Arrange Tool	✓	✓		
Areasum	✓	✓		
Table	✓	✓	✓	✓
Symmetric Draw	✓	✓		
Outline Objects	✓	✓		
Smart centerlines/center marks			✓	✓
Invert Fillet	✓	✓		
Draw and Modify Commands	✓	✓	✓	✓

Offset Multiple	✓	✓	✓	✓
Helix	✓	✓	✓	✓
Real Time Pan & Zoom	✓	✓	✓	✓
SteeringWheels			✓	✓
Redraw and Regeneration	✓	✓	✓	✓
Layout and Paper Space	✓	✓	✓	✓
Layout Viewport settings	✓	✓	✓	✓
Magnifier	✓			
Barcode & QR Code	✓	✓		
Non-rectangular Viewports	✓	✓	✓	✓
Shortcut Customization (CUSTACC)	✓	✓		
Match Properties Across Drawings	✓	✓	✓	✓
Multilines and Multiline Styles	✓	✓	✓	
Block Create and Insert	✓	✓	✓	✓
Redefine Block	✓	✓	✓	✓
Block Attribute Definition	✓	✓	✓	✓
Refedit	✓	✓	✓	✓
Hyperlink	✓	✓	✓	✓
Scale List	✓	✓	✓	✓
Dynamic Block Creat/ Insert/View/Edit	✓	Partially	✓	✓
Table Tools	✓	✓		
AutoXLSTable	✓	✓		
Pline Boolean	✓	✓		

Xref path repair			✓	✓
Undo/Redo Preview	✓	✓	✓	✓
3D	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
POLYSOLID	✓		✓	
PLANESURF	✓		✓	
SURFOFFSET	✓		✓	
CONVTOMESH	✓		✓	
CONVTOSOLID	✓		✓	
CONVTOSURFACE	✓		✓	
CONVTONURBS	✓		✓	
Point Cloud	✓	✓	✓	
3D Edition Grips	✓		✓	
Section Plane	✓		✓	
Flatshot	✓		✓	
3D Surfaces	✓	✓	✓	
ACIS Modeling & Editing	✓		✓	
3D Orbit options	✓	✓	✓	
Camera			✓	
Render	✓		✓	
Visual Styles Manager	✓		✓	
Solid editing	✓		✓	
Solprof / Solview / Soldraw	✓		✓	

PRINTING	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
CTB & STB Plot Style Files	✓	✓	✓	✓
Plot Styles Table Editor	✓	✓	✓	✓
Built-in Print Driver	✓	✓	✓	✓
Import & Editing of Page Setups	✓	✓	✓	✓
Publish	✓	✓	✓	✓
Viewport Max			✓	✓
3D Print Studio			✓	
Hide and Shade Plot	✓	✓	✓	✓
Batch Print	✓	✓		
Arrange frame	✓	✓		
PROGRAMMING	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
LISP Debugger	✓	✓	✓	✓
Entity Data Editor	✓	✓	✓	
Action Recording and Action Macros			✓	
LISP vl-, vlr-, vla- and vlax	✓	✓	✓	
LISP Encryption	✓	✓	✓	
(SDS/ADS)	✓	✓	✓	
DCL / DCL engine / COM API	✓	✓	✓	
Visual Basic for Applications	✓	✓	✓	
VBA VBI Projects Support	✓	✓	DVB	
.Net Framework	✓	✓	✓	
GRX (GstarCAD Runtime eXtension)	✓	✓	ARX	

CUI Menu Support/Diesel Expressions	✓	✓	✓	✓
Diesel Expressions	✓	✓	✓	✓
MNU and MNS File Support	✓	✓	✓	✓
API (Toolbar & Menu Customization)	✓	✓	✓	
LICENSING OPTIONS	GSTARCAD PROFESSIONAL	GSTARCAD STANDARD	AUTOCAD®	AUTOCAD® LT
Perpetual / Stand-alone / Online Activate	✓	✓		
Perpetual / Network / Online Activate	✓	✓		
Perpetual / Stand-alone / USB Dongle	✓	✓		
Perpetual / Network / USB Dongle	✓	✓		
Subscription / Stand-alone / Online Activate	✓	✓	✓ (named user)	✓ (named user)
Subscription / Network / Online Activate	✓	✓		