

GstarCAD	GstarCAD 2023		GstarCAD Architecture	GstarCAD Mechanical
Files	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
64-bit Support	✓	✓	✓	✓
.dwg and .dxf for AutoCAD version 2.5 to latest	✓	✓	✓	✓
.pat,.shx,.lin and etc	✓	✓	✓	✓
Password Protection	✓	✓	✓	✓
File Recover and Audit	✓	✓	✓	✓
Purge	✓	✓	✓	✓
Etransmit	✓	✓	✓	✓
Sheet Set Manager	✓	✓	✓	✓
CAD Standard .dws	✓	✓	✓	✓
Xrefs in-place Editing	✓	✓	✓	✓
DWF Underlay	✓	✓	✓	✓
PDF Underlay	✓	✓	✓	✓
DGN File Formate Support	✓	✓	✓	✓
DWG Convert	✓	✓	✓	✓
Import to WMF, SAT, 3DS	✓	✓	✓	✓
Export to DWG, DWF, DWFX, WMF, SAT, STL, EPS, DXX, BMP, EMF	✓	✓	✓	✓
Plot and Publish to PDF	✓	✓	✓	✓
Publish to DWF 2D & 3D	✓	✓	✓	✓
Collaboration	✓	✓		
IFC format	✓	✓	✓	✓
ACAD Tool Palettes Import Tool	✓	✓	✓	✓
Single-document Mode	✓	✓		✓
DWG FastView	✓	✓	✓	✓
.dwg for ACM version 6(2002) to 2018				✓
Mehcanical Standard and Standard elements				✓
Digital Signature	✓	✓		
Reset Settings to Default.	✓	✓		
DWF Import	✓	✓		
Interface	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Quick Properties	✓	✓	✓	✓
Hidden Message Settings	✓	✓	✓	✓
CUI Menus and Toolbars	✓	✓	✓	✓
CUI Import & Export	✓	✓	✓	✓
Drag and Drop Customization	✓	✓	✓	✓
Visual Menu Customization	✓	✓	✓	✓

Ribbon/Classic	✓	✓	✓	✓
Properties Palettes	✓	✓	✓	✓
Design Center / Tool Palettes	✓	✓	✓	✓
Xref Palette	✓	✓	✓	✓
Command Line	✓	✓	✓	✓
Work Spaces Switching	✓	✓	✓	✓
WorkSpace command	✓	✓	✓	✓
Clean Screen	✓	✓	✓	✓
New Dynamic Input	✓	✓	✓	✓
File Tab	✓	✓	✓	✓
Status bar buttons	✓	✓	✓	✓
GCA tool box			✓	
GCA classical toolbars			✓	
Scale & units control			✓	
GCA status bar extension buttons			✓	
Project manager			✓	
GCA hotkey customization			✓	
Layer standard customization			✓	
Default text style setting			✓	
Default Dimension style setting			✓	
Selection, Snap & Track	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Navigation Cube	✓	✓		
SELECTIONCYCLING	✓	✓	✓	✓
Right-Click + Drag Method	✓	✓	✓	✓
Selection Preview	✓	✓	✓	✓
Quick Select	✓	✓	✓	✓
Select Similar	✓	✓	✓	✓
Xtra Grips for Pline & Hatch Objects	✓	✓	✓	✓
Osnap	✓	✓	✓	✓
Grid and Snap	✓	✓	✓	✓
Polar & OTrack	✓	✓	✓	✓
Distance from Endpoint and Divide Segments options	✓	✓	✓	✓
Multifunctional Grips	✓	✓	✓	✓
Group	✓	✓	✓	✓
ADDSELECTED command	✓	✓	✓	✓
Multiple command	✓	✓	✓	✓
Dimensions	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
DIMCENTER Command	✓	✓		✓

Reassociate Dimension	✓	✓		✓
Rapid Distance	✓	✓	✓	✓
Standard Dimensions	✓	✓	✓	✓
Associative Dimension	✓	✓	✓	✓
Quick Dimension	✓	✓	✓	✓
Qleader	✓	✓	✓	✓
Dimension Break	✓	✓	✓	GMDIMBREAK
Multileaders	✓	✓	✓	✓
Power Dimension				✓
Multiple Dimension				✓
Dimensioning Dialog Box	Partially	Partially	✓	✓
Dimension Overdrawn				✓
To Add Tolerances and Fits to Dimensions				✓
Edit Multiple				✓
Arrange Dimension				✓
Stretch Dimension				✓
Join Dimension				✓
Insert Dimension				✓
Check Dimension				✓
Associated Fillet/Chamfer				✓
Leader Note	Partially	Partially	Partially	✓
Surface Texture Symbols				✓
Feature Control Frame	Partially	Partially	Partially	✓
Welding Symbol				✓
Datum Identifier				✓
Datum Target Symbol				✓
Feature Identifier				✓
Taper/Slope Symbol				✓
Edge Symbol				✓
Center Mark				✓
Weld Representation				✓
Sheet/BOM/Balloon	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Drawing Title/Borders				✓
Revision				✓
Part Reference				✓
Part Reference Edit				✓
Balloon				✓
Organizing Balloons				✓
Renumber Balloons				✓

Collect Balloons				✓
Partlist				✓
Parts List Dialog Box				✓
BOM Database				✓
Hole Chart				✓
Fit List				✓
Design/Library	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Shaft Design				✓
Gear Design				✓
Edit Standard Part				✓
Library				✓
Holes Chart				✓
Symbol Library				✓
Text	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Text Align / Text Match	✓	✓	✓	✓
Change Text	✓	✓	✓	✓
Mtext	✓	✓	✓	✓
Text	✓	✓	✓	✓
Multi-language Character Set	✓	✓	✓	✓
In-place Text Editor	✓	✓	✓	✓
Mtext Editor	✓	✓	✓	✓
Support .shx and .ttf font	✓	✓	✓	✓
Spelling	✓	✓	✓	✓
Check spelling in Mtext	✓	✓	✓	✓
Field	✓	✓	✓	✓
Revcloud	✓	✓	✓	✓
Wipeout	✓	✓	✓	✓
Rtext / Arc text	✓	✓	✓	✓
Text Incremental Copy	✓	✓	✓	✓
Text on line	✓	✓	✓	✓
Statistics Summation	✓	✓	✓	✓
Find & Replace	✓	✓	✓	✓
Stair Dimension			✓	
Multileader (Extraction Dimension)			✓	
composing			✓	
Index symbol			✓	
View symbol			✓	
Section symbol			✓	

Door & windows sub-schedule			✓	
Layers	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
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	✓	✓	✓	✓
Trun All Layers On	✓	✓	✓	✓
Layer Merge	✓	✓	✓	✓
Layer Delete	✓	✓	✓	✓
Layer Match	✓	✓	✓	✓
Hatch	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Hatch objects from Tool Palettes	✓	✓	✓	✓
Gradient Hatches	✓	✓	✓	✓
Custom Patterns	✓	✓	✓	✓
Background and Color for Hatch Patterns	✓	✓	✓	✓
Trim/Extend of/to Hatch Pattern Entities	✓	✓	✓	✓
Superhatch	✓	✓	✓	✓
Raster images	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Raster Image Support (Clipping, Transparency, ...)	✓	✓	✓	✓
Support Kinds of Image Files (bmp\jpg\png\tga\tif\gif\pcx\...)	Not support ECW	Not support ECW	Not support ECW and JPEG 2000	Not support ECW
Express Tools	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Lockup(with password)	✓	✓		
Layout Merge	✓	✓		

Synchronize Viewports	✓	✓		
Breakpoint Check	✓	✓		
Fast Select (FASTSEL)	✓	✓		✓
Change Base	✓	✓		✓
Layer Draw Order	✓	✓		✓
Area Table	✓	✓	✓	✓
Break Object	✓	✓	✓	✓
Block Break	✓	✓	✓	✓
Graphic Compare	✓	✓	✓	✓
Batpurge	✓	✓	✓	✓
Layout by Path	✓	✓	✓	✓
Express Tools	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Line2pl	✓	✓	✓	✓
Sptpl	✓	✓	✓	✓
GstarCAD Tools	✓	✓	✓	✓
Table Tools	✓	✓	✓	✓
Plot tools	✓	✓	✓	✓
Drawing Compare	✓	✓	✓	✓
Delete Duplicate Objects (OVERKILL)	✓	✓	✓	✓
Drawing Lock without Password	✓	✓	✓	✓
Others	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
CLIPIT Command	✓	✓		
Quick Edit Block Attribute Text	✓	✓		
System Variable Monitor	✓	✓		
Region	✓		✓	✓
Make Shape	✓	✓	✓	✓
Import Layout as Sheet	✓	✓	✓	✓
Viewport Scale	✓	✓	✓	✓
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	✓	✓	✓	✓
Invert Fillet	✓	✓	✓	✓
Draw and Modify Commands	✓	✓	✓	✓
Offset Multiple	✓	✓	✓	✓
Helix	✓	✓	✓	✓
Real Time Pan & Zoom	✓	✓	✓	✓
Annotative Objects	✓	✓	✓	✓
Object Scales	✓	✓	✓	✓
Redraw and Regeneration	✓	✓	✓	✓
Layout and Paper Space	✓	✓	✓	✓
Layout Viewport settings	✓	✓	✓	✓
Magnifier	✓		✓	✓
Barcode & QR Code	✓	✓	✓	✓
Non-rectangular Viewports	✓	✓	✓	✓
Shortcut Customization	✓	✓	✓	✓
Match Properties Across Drawings	✓	✓	✓	✓
Multilines and Multiline Styles	✓	✓	✓	✓
Block Create and Insert	✓	✓	✓	✓
Block Attribute Definition	✓	✓	✓	✓
Redefine Block	✓	✓	✓	✓
Refedit	✓	✓	✓	✓
Hyperlink	✓	✓	✓	✓
Scale List	✓	✓	✓	✓
Dynamic Block Create/Insert/View/Edit	✓	Partially	✓	✓
MEASUREGEOM (Sum area and Total Length)	✓	✓	✓	✓
AutoXLSTable	✓	✓	✓	✓
Pline Boolean	✓	✓	✓	✓
Composing and cavity wall			✓	
Wall material and composite style			✓	
Building design:wall>window,column,stair,symbol etc.			✓	
Common tools:object select and edit etc.			✓	
AEC drawing library			✓	
AEC Settings and help			✓	
Center Line				✓
Automatic Construction Lines				✓
Detail Views				✓

Seciton Lines				✓
Truncation Line				✓
6 Kinds of Default Denfiend Hatches	Partially	Partially	Partially	✓
Hide Situation				✓
3D	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
POLYSOLID	✓		✓	✓
PLANESURF	✓		✓	✓
SURFOFFSET	✓		✓	✓
CONVTOMESH	✓		✓	✓
CONVTOSOLID	✓		✓	✓
CONVTOSURFACE	✓		✓	✓
CONVTONURBS	✓		✓	✓
Point Cloud	✓	✓	✓	✓
3D Edition Grips	✓		✓	✓
Section Plane	✓		✓	✓
Flatshot	✓		✓	✓
3D Surfaces	✓	✓	✓	✓
ACIS Modeling & Editing	✓		✓	✓
3D Orbit options	✓	✓	✓	✓
Render	✓		✓	✓
Visual Styles Manager	✓		✓	✓
Solid Editing	✓		✓	✓
Solprof / Solview / Soldraw	✓		✓	✓
Printing	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
CTB & STB Plot Style Files	✓	✓	✓	✓
Plot Styles Table Editor	✓	✓	✓	✓
Built-in Print Driver	✓	✓	✓	✓
Import & Editing of Page Setups	✓	✓	✓	✓
Publish	✓	✓	✓	✓
Hide and Shade Plot	✓	✓	✓	✓
Batch Print	✓	✓	✓	✓
Arrange frame	✓	✓	✓	✓
Programming	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
LISP Debugger	✓	✓		
Entity Data Editor	✓	✓	✓	✓
LISP Support with vl-, vlr-, vla- and vlax- support	✓	✓	✓	✓
LISP Encryption	✓	✓	✓	✓
Solutions Development System (SDS/ADS)	✓	✓	✓	✓

DCL / DCL engine / COM API	✓	✓	✓	✓
Visual Basic for Applications	✓	✓	✓	✓
VBA VBI Projects Support	✓	✓	✓	✓
.Net Framework	✓	✓	✓	✓
GRX (GstarCAD Runtime eXtension)	✓	✓	✓	✓
CUI Menu Support	✓	✓	✓	✓
Diesel Expressions	✓	✓	✓	✓
MNU and MNS File Support	✓	✓	✓	✓
API for Toolbar and Menu Customization	✓	✓	✓	✓
Licensing	Pro	Std	GstarCAD Architecture 2021	GstarCAD Mechanical 2022
Subscription	✓	✓	✓	✓
Stand-alone USB dongle	✓	✓	✓	✓
Network USB dongle	✓	✓	✓	✓
Stand-alone License (Flexnet)	✓	✓	✓	✓
Network License (Flexnet)	✓	✓	✓	✓
Online Register	✓	✓	✓	✓

REMARKS

This table is for reference only.

Empty space means functionally not supported.

The GstarCAD package that contains LT version does not support BEDIT.

Table comparison updated at Sep 1st 2022.